



PowerScribe® 360 Reporting

Installation Manual
Version 4.0



PN 889718

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Best Practices

- Nuance recommends following Microsoft best practices as outlined in [Microsoft TechNet General Security Advice and Best Practices](#)
- **PowerScribe 360 Reporting** stores data containing Protected Health Information (PHI) in the product databases as well as in various locations throughout the file system. Nuance recommends encrypting **PowerScribe 360 Reporting** at the operating system and/or storage system levels to ensure that PHI is encrypted consistent with the customer's data encryption policies.
- **PowerScribe 360 Reporting** is compatible with several currently supported versions of Microsoft Windows Server operating systems, Nuance recommends using the latest compatible version listed in the **PowerScribe 360 Reporting** System Specifications, currently **Windows Server 2016**.
- **PowerScribe 360 Reporting** is compatible with several currently supported versions of Microsoft SQL Server, Nuance recommends using the latest compatible version listed in the **PowerScribe 360 Reporting** System Specifications, currently **SQL Server 2016**.
- Nuance recommends that all **PowerScribe 360 Reporting** network communication be secured and encrypted using Hypertext Transfer Protocol Secure (HTTPS). Nuance also recommends that the customer obtain a certificate from a trusted Certificate Authority consistent with the customer security policies.
- Nuance fully supports all third-party hardware and software updates related to critical security fixes immediately upon release. Nuance recommends that customers apply third party updates consistent with their internal security policies.
- **PowerScribe 360 Reporting** supports Lightweight Directory Access Protocol (LDAP). Nuance recommends the use of LDAP for end-user authentication to **PowerScribe 360 Reporting** to ensure consistency with the customer's authentication and password management policies.
- During the **PowerScribe 360 Reporting** installation process several system level users and associated passwords need to be created. Nuance recommends that the Customer's site administrator provides the system level passwords consistent with the customer's internal password policies. Nuance recommends the use of strong/complex passwords consistent with the customer's password management policies.
- Nuance recommends that any Passwords created during **PowerScribe 360 Reporting** installation and configuration only be communicated over secure encrypted channels and/or stored in secure encrypted locations.
- Nuance does not recommend exposing network services to untrusted networks unless otherwise advised by Nuance documentation or Support.

Notations

This section defines notations that are used throughout the document.

<p>Best Practice</p> 	<p>This Best Practice icon indicates the recommended Nuance procedure to follow when installing or configuring the Nuance PowerScribe 360 application.</p> <p>For example:</p> <ul style="list-style-type: none"> • PowerScribe 360 Reporting supports Lightweight Directory Access Protocol (LDAP). Nuance recommends the use of LDAP for end-user PS360 access. • During the PowerScribe 360 Reporting installation process several system level users and passwords need to be created. The Customer's site administrator should provide system level passwords consistent with the customer's internal password policies. Passwords should only be communicated over secure encrypted channels and/or stored in secure encrypted locations. • Microsoft General Security Advice and Best Practices. • Client workstations rebooting recommendations. • Nuance Anti-Virus recommendations.
 <p>IMPORTANT</p>	<p>The IMPORTANT icon indicates important information you don't want miss.</p>
	<p>The NOTE icon provides auxiliary information or further explanation to the adjacent paragraph(s).</p>
	<p>This STOP icon is an indication that a necessary requirement is to be met before you proceed to the next step.</p>

Upgrade PS360 V1



If you are upgrading from V 2.x or higher, STOP and refer to [Upgrading Version 2 and Above](#) — PN 889679 for the proper procedure.

Hot Spares

If the site has the prior Hot Spare configuration in use (e.g. using mirroring), you will need to do the following:

1. If not already done, break the mirror between the production and Hot Spare systems.
 2. Disable and delete the Hot Spare Windows scheduler jobs used to replicate the profiles, waves, and logs.
-

Convert Dragon Profiles

Follow the Appendix 1 steps to convert the user's profiles from Dragon 10 to Dragon 12.5. This should be performed at least 2 weeks prior to performing the upgrade as it is a time consuming process.

If after the site goes live and if a user is unhappy with their recognition in Dragon 12.5, at that time the Admin can delete their profile and allow them to retrain.

If the site is moving from RadWhere or another Legacy product, the users will have to read the training screens to create a new profile.

Perform Full Database Backup

Best Practice



- The **COMM4** database contains Protected Health Information (PHI). Nuance recommends that the **COMM4** database be encrypted consistent with the customer's data encryption policies.
- The **COMM4** database should be backed-up regularly and back-up copies maintained consistent with the customer's Disaster Recovery and Business Continuity policies. Backup-up copies of the **COMM4** database contain PHI, Nuance recommends that the back-ups the **COMM4** database be encrypted consistent with the customer's data encryption policies.

You *must* perform a full Database backup of the database prior to the software upgrade.

Place the backup(s) in a safe location, preferably in a place other than the server itself.

Capture the ClientAdmin Configuration

Open ClientAdmin on the desktop of the server and screen capture the ClientAdmin configuration prior to removing the old version of software. You will need this if you roll back the software.

Collect the information by capturing the following.

1. Open the ClientAdmin using the desktop icon on the server.

The following screen displays.

PowerScribe 360 | Reporting - Client Administration Tool

Client Installer

Install Type

- ☒ Create Web Installer
 - Web Site / Folder: Default Web Site
 - Server Path: http MLB-PS360-4/PS360ReportingClient
- ☐ Create Shared Folder Installer
 - Publication Destination: ...
 - Share Name: ...
 - DVD Destination Path: C:\Nuance\DVDImage
- ☒ Create DVD Installer
 - DVD Destination Path: C:\Nuance\DVDImage

Dragon Source Path: C:\Software\Dragon Software

Dragon Installers:

- ☒ Dragon 12 General Medicine
- ☒ Dragon 12 Radiology
- ☒ Dragon 12 Transcription

Integration Components

Source Path: C:\Software\6.6.73.0_NewInstaller\Step_03_PowerScribe360_6.6.73.0.US\Nuance.Int ...

Publication Source Path: C:\Software\6.6.73.0_NewInstaller\Step_03_PowerScribe360_6.6.73.0.US\Nuance.Po ...

Include Disclaimer Banner (ONLY for DOD setup): ☐

RAS Server Site: http MLB-PS360-4/RAS

Publication Version: 6.6.73.1 Regenerate Generate...

Dragon User Profiles

Path: C:\Nuance\DragonUsers

Maximum Allowed Content Length: 750 MB (max value is 1 GB)

Account Name: .psservice

Web Site: Default Web Site Setup Site

Close

2. Capture the above screen and save. The screen may differ slightly, depending on the current version.
3. Click **Cancel**.

Backup DragonUsers Folder

Make a backup copy of the **DragonUsers** folder.

Backup Wave Folder

Make a backup copy of the **Wave** folder.

Delete Folders

Delete the contents of DVD image from your X:/Nuance directory. ***Folders are created by the new installation application automatically in different locations on the server.***

- PowerScribe360Download
- PowerScribe360Publish
- PS360Publish located at: C:\inetpub\wwwroot\PS360Publish
- DragonImage
- DVDImage
- DragonUsers
- DragonUsersTemp

Backup Custom Mapper

1. Look for custom mappers or any other customization.
 - a. To determine if there is a mapper, look at the Bridge settings in the RadPortal and if you see **Edit HL7 mapping** on either the inbound port configuration section or the outbound, this indicates there is a mapper. See below:

Setup ▾AccountsAutoTextBridgeProceduresSitesSpeechSystem

The Nuance RadBridge Service is currently running. Click to [stop](#) or [restart](#) the service.

Save Changes | Clear | Delete | Reset Options | Configuration...Bridge link: University HL7 ▾

General:Name: University HL7Description: University HL7Site: University ▾Interface: HL7 ▾

Inbound

☒ ActiveListen Port: 7700Listen IP:Remote Host:[Create HL7 mapping...](#)

Outbound

☒ ActiveTransmit Port: 7900Transmit IP: 127.0.0.1[Edit HL7 mapping...](#)

Options:

HIS Type:Sending Application:Receiving Application:Sending Facility:Receiving Facility:Send dictated status updates: Immediately for new reports [Never]Send pending correction reports: Preliminary result (with text) [Never]Maximum line length: 0 [0]Interpret Sending Facility as: Nothing [Nothing]Trigger Event Code:Log file directory:OBX result format: Epic RTF [Paragraph]Send formatted report as embedded document: None [None]Accept results: All [All]Import location from PV1-3 component: Facility [None]Processing ID: Production (P) [Production (P)]Send timezone qualifier: All Timestamps [None]Send follow-up recommendations: None [None]Separator for multi-choice custom fields: , [.]Unassigned signer ID:Send addenda: Before original (chronological) [Standalone]Addendum header: ***** ADDENDUM #<613:Addendum Sequence> *****[***** ADDENDUM #<613:Addendum Sequence> *****]Addendum report separator: ***** ORIGINAL REPORT *****

Match existing visits by visit number: ☒ [True]Match physicians by name: ☐ [False]Ignore physicians without ID: ☐ [False]Interpret patient external ID as MPI: ☐ [False]Escape non-printable characters: ☐ [False]Import escaped text as RTF: ☐ [False]Send original signer as addendum observer: ☐ [False]Send preliminary results: ☒ [True]Send preliminary addenda: ☐ [False]Send combined results: ☒ [True]Send results for scheduled orders: ☐ [False]Send results for entered orders: ☒ [True]Send extended data with results: ☒ [False]Send timestamps in interpreter fields: ☐ [False]Send diagnosis segments: ☐ [False]Send custom field segments: ☒ [False]Send ZBR and ZBO segments: ☒ [False]Send BI-RADS segment: ☐ [False]Send wet reads: ☒ [False]Uppercase results: ☐ [False]Accept addenda: ☒ [False]

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1-5

- b. Double-click **Edit HL7 mapping...** and the HL7 Mapping - Webpage dialog displays:

Site: University - 127.0.0.1:7900, Outbound HL7 Mapping Clear | Save and Close | Close Window

Configuration file for HL7 mapping:

Browse... | Upload

```
<?xml version="1.0" encoding="utf-8"?>
<MessageMap xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" version="1.0" description="Suburban
(Suburban site, not GCM)">
  <Message MessageType="0" />
  <Message MessageType="1" />
  <Message MessageType="2">

<Script>Ly8gQyMKdXNpbmcgU3lzdGVtOwp1c2luZy8TeXN0ZW0uV2luZG93cy5Gb3JtczsKdXNpbmcgU3
lzdGVtLkNvbGxY3Rpb25zOwp1c2luZy8Db21taXNzdXJlLk1hcHBlckNvbW1vbjsKcm5hbWVzcGFJZSBDb2
1taXNzdXJlLk1jaWRnZS5TY3JpcHQKewoJY2xhc3MgU2NyaXB0Q2xhc3MKCXsKCQlwdWJsaWMgSEw3T
WVzc2FnZSBFeGJdXRIKEhMN01lc3NhZ2UgaGw3SW5wdXQpCgkJeWw3JCQkLyBTdWJ1cmUhb3Nw
aXRhbCBvdXRib3VuZa0JCQkLyBSZW1vdmUgdGFtIGVzY2FwZSBjb2RlCgkCUhMN01lc3NhZ2UgaGw3T
3V0cHV0ID0gbmV3IEhMN01lc3NhZ2UoaGw3SW5wdXQpVmFsdWUpOwoJCQlmb3loaW50IGk9MDsga
SA8IGhsN091dHB1dCSTZWdtZW50cy5Db3VudDsgaSsrKQoJCQl7CgkJCQlITDdtZWdtZW50IHNI221lbn
QgPSBobDdPdXRwdXQuU2VnbWVudHINbaV07CgkJCQlpZiAoc2VnbWVudC50YWw1UURvVXBwZKIoKSA9
PSAit0JYtAmJlBzZWdtZW50LkZpZWxkcy5Db3VudCA+IDUgJlYgIVN0cmly5j3c051bGxPckVtcHR5KHNl
Z21lbnQuRmlibGRzWzVdUjZhbHVlKkKkCQkCQlZwZdtZW50LkZpZWxkcs1s1XS5WYXx1ZSA9IHNI221lbn
nQuRmlibGRzWzVdUjZhbHVlKkGdhY2UoaGw3T3V0cHV0LkVuy29kaW5nLkVzY2FwZSArICJYMDk0Csg
aGw3T3V0cHV0LkVuy29kaW5nLkVzY2FwZSg1Agk7CgkJCX0KCQkCmV0dXJlGhsN091dHB1dDsKC
Ql9Cgl9Cn0K</Script>
</Message>
</MessageMap>
```

Separator for multi-choice custom fields: , []

Unassigned signer ID: []

Send addenda: Before original (chronological) [Standalone]

Addendum header: ***** ADDENDUM #<613:Addendum Sequence> *****
[***** ADDENDUM #<613:Addendum Sequence> *****]

Addendum report separator: ***** ORIGINAL REPORT *****

Bridge link: University HL7

Site: University

Create HL7 mapping...

Edit HL7 mapping...

Testing visits by visit number: ☒ [True]

Match physicians by name: ☐ [False]

More physicians without ID: ☐ [False]

Patient external ID as MPI: ☐ [False]

Use non-printable characters: ☐ [False]

Import escaped text as RTF: ☐ [False]

Header as addendum observer: ☐ [False]

Send preliminary results: ☒ [True]

Send preliminary addenda: ☐ [False]

Send combined results: ☒ [True]

Results for scheduled orders: ☐ [False]

Results for entered orders: ☒ [True]

Send data with results: ☒ [False]

Stamps in interpreter fields: ☐ [False]

Send diagnosis segments: ☐ [False]

Custom field segments: ☒ [False]

ZBR and ZBO segments: ☒ [False]

Send BI-RADS segment: ☐ [False]

Send wet reads: ☒ [False]

Uppercase results: ☐ [False]

Accept addenda: ☒ [False]



IMPORTANT

Prior to upgrading, save a copy of the mappers.

- Create a new text document on the desktop.
- Highlight the text in window and copy to the text document you created.
- Save the file as "CustomerName_In.xml" and put it in a folder called software. The "_In" would be "_Out" if this was an outbound mapper. Make sure you get all the text! You would do the same for an outbound if one existed.

Remove the PowerScribe 360 Software

You must remove the current 360 application via the **Add or Remove Programs** or the **Programs and Features** applet on the Control Panel prior to installing the new version on all servers. Remove the following in the order below, if installed:

- Nuance Management Reports (May be located on the SQL server, if separate.)
- Nuance Mobile Bridge (if installed)
- Dragon SDK Client (if installed)
- Nuance Dragon application
- Visual C++ runtime for Dragon Naturally Speaking
- Nuance ClientAdmin
- Nuance RadBridge
- Nuance RadPortal
- Nuance RAS

Windows Accounts

Best Practice



You should delete all existing Windows accounts previously used by the Nuance applications, except for the Services Account which will be used for support access and operating the services.

Reboot Servers

Pre-installation Checklist

Step	Task	Information
Pre Install		
	Do the current users need to have their profiles converted?	Go to Appendix 1 - Profile Conversion Process .
	Review Technical Planner Document	Obtain from PM or Sales Engineer
	Confirm Remote access	Verify access through CRM and update as needed
	Verify OS Configuration	Appendix 4 - Microsoft Windows Configuration Guidelines
	Verify SQL Installed / Configured	Appendix 5 - Microsoft SQL Server Installation Guidelines
	Run scripts on existing SQL Server prior to upgrade and provide results to PM.	<ul style="list-style-type: none"> ♦ PS360 AutoText Migration to Version 4.sql ♦ PS360 AutoText Orphaned List.sql ♦ PS360 AutoText Orphaned Removal.sql ♦ PS360 ID Settings that will Change with v3.5 Upgrade.sql
	Install PS360 Faxing	Go to Fax Server Configuration Manual — 889799 NOTE: See If site will FAX out of PS360 Downgrade PDF version on Application Server .
Install		
	Upgrade from V2 or higher	Upgrade Manual — 889679
	Upgrade from V1.x	Upgrade PS360 V1
	Install PS360	Installation
Post Install		
	Is there a Hot Spare?	Hot Spare Installation and Configuration — 889715 Client Hot Spare — 889719
	Perform Checkout	System health checks tool on the DML: https://private.filesanywhere.com/Nuance/fs/v.aspx?v=8972658a9e61b47a9e

Installation

Before You Begin

It is imperative that the installation and upgrade steps outlined in this manual be followed to:

- **Maintain an approved and qualified environment that allows the highest level of supportability and the highest level of customer satisfaction possible.**
- **Support the evolution of the application and to be able to simplify and then automate upgrades and installations. The automation will prevent errors and issues that sometimes occur during installations and upgrades.**



If you are asked to install the product in a method or configuration not outlined in this installation manual, you should stop and consult with Service Management.

Exceptions can only be authorized by the Support Director and Management.



IMPORTANT

Only the most current .NET Framework (4.6.2) version or higher is required for proper PowerScribe 360 Reporting V4.0.1 (SP1) installation and operation. Older versions of .NET Framework should not be installed.

Verify Internet Access

Prior to a new installation, verify that the server can connect to the internet sites listed below. This is required to obtain a timestamp for the application. If the site restricts internet access, allow internet access to the sites listed before you begin the upgrade or installation.

- <http://timestamp.globalsign.com/scripts/timestamp.dll>
- <http://timestamp.comodoca.com/authenticode>
- <http://tsa.starfieldtech.com>
- <http://sha256timestamp.ws.symantec.com/sha256/timestamp>

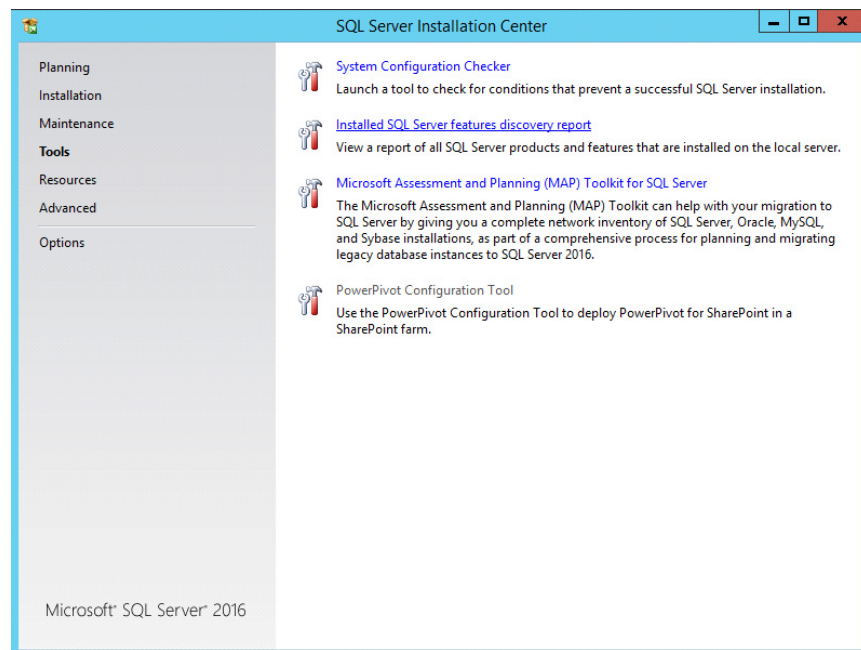
PowerShare requires access to the following:

- *.seemyradiology.com

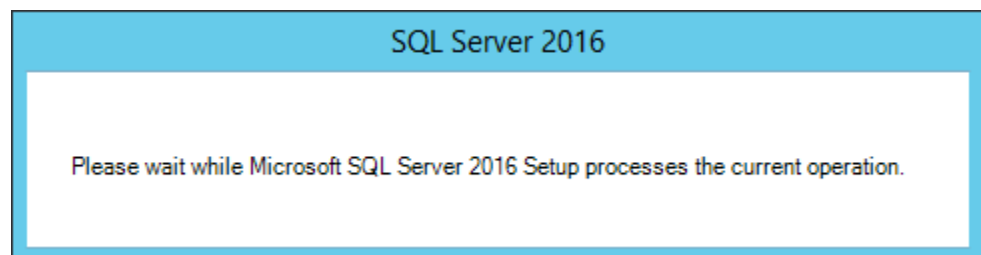
Verify SQL Components

Using the SQL Server Feature Discovery Tool, verify the SQL installation has the required components.

1. Start the SQL Server Installation Center.
2. On the left, select **Tools**.
3. Click **Installed SQL Feature Discovery report**.



Wait while the report processes.



At a minimum, on the report, you should see “Database Engine Services, “Reporting Services and SQL Server Management Studio” which are required by PS360 for installation and operation. The site may have chosen to install other options, which is OK.

Product	Instance	Instance ID	Feature	Language	Language	Version	Clustered	Configured
Microsoft SQL Server 2016	MSSQLSERVER	MSSQL13.MSSQLSERVER	Database Engine Services	1033	Enterprise Edition	13.2.5026.0	No	Yes
Microsoft SQL Server 2016	MSSQLSERVER	MSRS13.MSSQLSERVER	Reporting Services - Native	1033	Enterprise Edition	13.2.5026.0	No	Yes
Microsoft SQL Server 2016			SSMS	1033		13.0.15700.28	No	Yes

4. If the required components are not installed, run the SQL installation process to add the feature needed, see [Appendix 5 - Microsoft SQL Server Installation Guidelines](#).

Verify Server Configuration

Prior to upgrading or a new installation, verify that the server the Client provided is properly configured.

1. Download the PowerShell [script, Support.PS360.Server.Roles.zip](#) from SharePoint.
2. Unzip the file.
3. Right-click the Run.cmd file and choose run as administrator.
4. Review the output to ensure all required roles are installed as specified below:

Windows 2016	
Display Name	Name
[] Fax Server	Fax
[X] File and Storage Services	FileAndStorage-Services
[X] File and iSCSI Services	File-Services
[X] File Server	FS-FileServer
[X] Storage Services	Storage-Services

Windows 2016	
Display Name	Name
[X] Web Server (IIS)	Web-Server
[X] Web Server	Web-WebServer
[X] Common HTTP Features	Web-Common-Http
[X] Default Document	Web-Default-Doc
[X] Directory Browsing	Web-Dir-Browsing
[X] HTTP Errors	Web-Http-Errors
[X] Static Content	Web-Static-Content
[X] HTTP Redirection	Web-Http-Redirect
[X] WebDAV Publishing	Web-DAV-Publishing
[X] Health and Diagnostics	Web-Health
[X] HTTP Logging	Web-Http-Logging
[X] Logging Tools	Web-Log-Libraries
[X] Request Monitor	Web-Request-Monitor
[X] Tracing	Web-Http-Tracing
[X] Performance	Web-Performance
[X] Static Content Compression	Web-Stat-Compression
[X] Dynamic Content Compression	Web-Dyn-Compression
[X] Security	Web-Security
[X] Request Filtering	Web-Filtering
[X] Basic Authentication	Web-Basic-Auth
[X] Centralized SSL Certificate Support	Web-CertProvider
[X] Client Certificate Mapping Authentic...	Web-Client-Auth
[X] Digest Authentication	Web-Digest-Auth
[X] IIS Client Certificate Mapping Authe...	Web-Cert-Auth
[X] IP and Domain Restrictions	Web-IP-Security
[X] URL Authorization	Web-Url-Auth
[X] Windows Authentication	Web-Windows-Auth
[X] Application Development	Web-App-Dev
[X] .NET Extensibility 3.5	Web-Net-Ext
[X] .NET Extensibility 4.6	Web-Net-Ext45
[X] ASP.NET 4.6	Web-Asp-Net45
[X] ISAPI Extensions	Web-ISAPI-Ext
[X] ISAPI Filters	Web-ISAPI-Filter
[X] Management Tools	Web-Mgmt-Tools

Windows 2016	
Display Name	Name
[X] IIS Management Console	Web-Mgmt-Console
[X] IIS 6 Management Compatibility	Web-Mgmt-Compat
[X] IIS 6 Metabase Compatibility	Web-Metabase
[X] IIS 6 WMI Compatibility	Web-WMI
[X] IIS Management Scripts and Tools	Web-Scripting-Tools
[X] .NET Framework 4.6 Features	NET-Framework-45-Fea...
[X] .NET Framework 4.6	NET-Framework-45-Core
[X] ASP.NET 4.6	NET-Framework-45-ASPNET
[X] WCF Services	NET-WCF-Services45
[X] Message Queuing	MSMQ
[X] Message Queuing Services	MSMQ-Services
[X] Message Queuing Server	MSMQ-Server
[X] Message Queuing Triggers	MSMQ-Triggers
[X] Windows PowerShell	PowerShellRoot
[X] Windows PowerShell 5.1	PowerShell
[X] Windows PowerShell 2.0 Engine	PowerShell-V2
[X] Windows PowerShell ISE	PowerShell-ISE
[X] Windows Process Activation Service	WAS
[X] Process Model	WAS-Process-Model
[X] .NET Environment 3.5	WAS-NET-Environment
[X] Configuration APIs	WAS-Config-APIs
[X] WoW64 Support	WoW64-Support

Windows 2012	
Display Name	Name
[X] Application Server	Application-Server
[X] .NET Framework 4.5	AS-NET-Framework
[X] TCP Port Sharing	AS-TCP-Port-Sharing
[] Web Server (IIS) Support	AS-Web-Support
[X] Windows Process Activation Service Support	AS-WAS-Support
[X] HTTP Activation	AS-HTTP-Activation
[X] Named Pipes Activation	AS-Named-Pipes
[X] TCP Activation	AS-TCP-Activation

Windows 2012	
Display Name	Name
[X] Fax Server	Fax
[X] File and Storage Services	FileAndStorage-Services
[X] File and iSCSI Services	File-Services
[X] File Server	FS-FileServer
[X] Storage Services	Storage-Services
[X] Web Server (IIS)	Web-Server
[X] Web Server	Web-WebServer
[X] Common HTTP Features	Web-Common-Http
[X] Default Document	Web-Default-Doc
[X] Directory Browsing	Web-Dir-Browsing
[X] HTTP Errors	Web-Http-Errors
[X] Static Content	Web-Static-Content
[X] HTTP Redirection	Web-Http-Redirect
[X] WebDAV Publishing	Web-DAV-Publishing
[X] Health and Diagnostics	Web-Health
[X] HTTP Logging	Web-Http-Logging
[X] Logging Tools	Web-Log-Libraries
[X] Request Monitor	Web-Request-Monitor
[X] Tracing	Web-Http-Tracing
[X] Performance	Web-Performance
[X] Static Content Compression	Web-Stat-Compression
[] Dynamic Content Compression	Web-Dyn-Compression
[X] Security	Web-Security
[X] Request Filtering	Web-Filtering
[X] Basic Authentication	Web-Basic-Auth
[] Centralized SSL Certificate Support	Web-CertProvider
[] Client Certificate Mapping Authentic..	Web-Client-Auth
[] Digest Authentication	Web-Digest-Auth
[] IIS Client Certificate Mapping Authe...	Web-Cert-Auth
[] IP and Domain Restrictions	Web-IP-Security
[] URL Authorization	Web-Url-Auth
[X] Windows Authentication	Web-Windows-Auth
[X] Application Development	Web-App-Dev
[X] .NET Extensibility 3.5	Web-Net-Ext

Windows 2012	
Display Name	Name
[X] .NET Extensibility 4.5	Web-Net-Ext45
[X] ASP.NET 4.5	Web-Asp-Net45
[X] ISAPI Extensions	Web-ISAPI-Ext
[X] ISAPI Filters	Web-ISAPI-Filter
[X] Management Tools	Web-Mgmt-Tools
[X] IIS Management Console	Web-Mgmt-Console
[X] IIS 6 Management Compatibility	Web-Mgmt-Compat
[X] IIS 6 Metabase Compatibility	Web-Metabase
[X] IIS 6 WMI Compatibility	Web-WMI
[] IIS Management Scripts and Tools	Web-Scripting-Tools
[X] .NET Framework 4.5 Features	NET-Framework-45-Fea...
[X] .NET Framework 4.5	NET-Framework-45-Core
[X] ASP.NET 4.5	NET-Framework-45-ASPNET
[X] WCF Services	NET-WCF-Services45
[X] Message Queuing	MSMQ
[X] Message Queuing Services	MSMQ-Services
[X] Message Queuing Server	MSMQ-Server
[X] Message Queuing Triggers	MSMQ-Triggers
[X] User Interfaces and Infrastructure	User-Interfaces-Infra
[X] Graphical Management Tools and Infrastructure	Server-Gui-Mgmt-Infra
[X] Server Graphical Shell	Server-Gui-Shell
[X] Windows PowerShell	PowerShellRoot
[X] Windows PowerShell 4.0	PowerShell
[] Windows PowerShell 2.0 Engine	PowerShell-V2
[X] Windows PowerShell ISE	PowerShell-ISE
[X] Windows Process Activation Service	WAS
[X] Process Model	WAS-Process-Model
[X] .NET Environment 3.5	WAS-NET-Environment
[X] Configuration APIs	WAS-Config-APIs
[X] WoW64 Support	WoW64-Support

Best Practice



Nuance recommends that all **PowerScribe 360 Reporting** network communication be secured and encrypted using Hypertext Transfer Protocol Secure (HTTPS). Nuance also recommends that the customer obtain a certificate from a trusted Certificate Authority consistent with the customer security policies.

5. If the roles are correct, continue to [Download the Software](#), otherwise see [Appendix 4 - Microsoft Windows Configuration Guidelines](#) to install the correct roles

Download the Software

1. Create a folder **X:\Software\360_Install**.
2. Download the PowerScribe 360 V 4.0 DVD to **X:\Software\360_Install**.
3. Right-click each step from the PowerScribe_360_Install folder, and choose **Extract All** to extract each step to the **X:\Software\360_Install** folder.

There will be five zip files and four file folders.

Extract the Dragon Installers

1. Create a folder **X:\Software\360_Install\4_0\Dragon**.
2. Extract the contents of the **Dragon** software to the **X:\Software\360_Install\4_0\Dragon** directory.

Create Nuance Application Directories



If this a cluster, create the Nuance Directory and sub-directories on the cluster data Drive.

Create the following directories on the data drive of the application server:

- **X:\Nuance**
- **X:\Nuance\BridgeLogs**
- **X:\Nuance\DragonUsers**
- **X:\Nuance\DragonUsersTemp**
- **X:\Nuance\FileStream**
- **X:\Nuance\FileUploader**
- **X:\Nuance\DVDInstall**

- X:\Nuance\Wave
 - X:\Nuance\WebServiceLogs
-

Server Names

Ensure that the server name DOES NOT have an underscore in it. If so, rename the server before continuing.

Database Installation



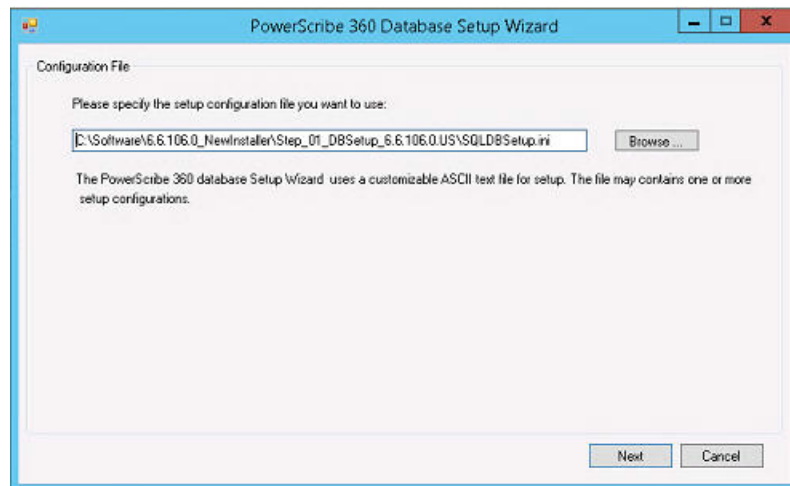
If you are performing an upgrade from V1.x to V4.x, you MUST first upgrade the database to V2.5.



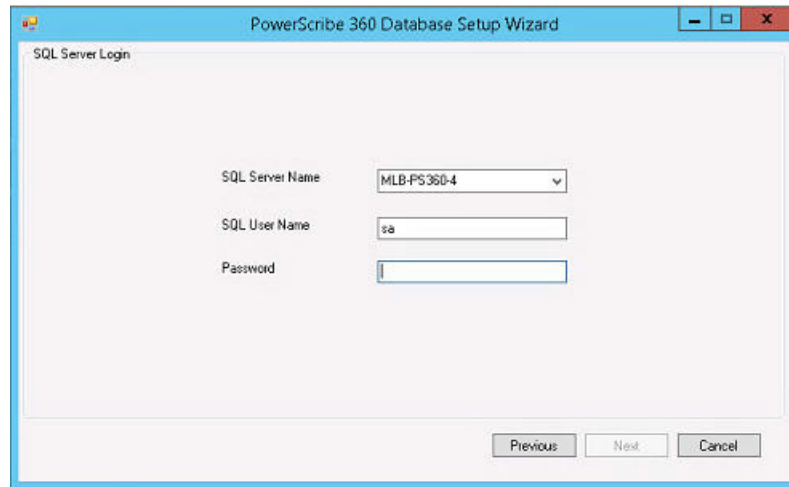
For a cluster configuration, update the database only once on the Virtual SQL Server Instance. On the secondary node, you will need to enable filestream manually before failing over for install (see end of Database Installation).

1. In the X:\Software\360_Install\Step_01_DBSetup_X.x.xx.x folder, double-click **DBsetup.exe**.
2. If security warning displays, click **Run**.

The Configuration File dialog displays.



3. Click **Next**.



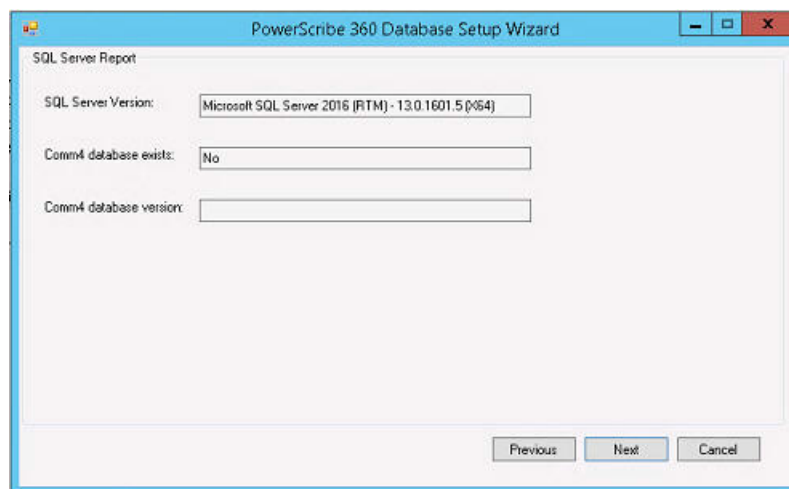
The screenshot shows the 'SQL Server Login' window of the 'PowerScribe 360 Database Setup Wizard'. It contains three input fields: 'SQL Server Name' with a dropdown menu showing 'MLB-PS360-4', 'SQL User Name' with the text 'sa', and 'Password' which is empty. At the bottom right, there are three buttons: 'Previous', 'Next', and 'Cancel'.

4. Enter the Server Name.



If the server is a cluster, use the SQLClusterName.

5. Enter the SQL User Name **sa**.
6. Enter the Password.
7. Click **Next**.



The screenshot shows the 'SQL Server Report' window of the 'PowerScribe 360 Database Setup Wizard'. It contains three input fields: 'SQL Server Version' with the text 'Microsoft SQL Server 2016 (RTM) - 13.0.1601.5 (x64)', 'Comm4 database exists' with the text 'No', and 'Comm4 database version' which is empty. At the bottom right, there are three buttons: 'Previous', 'Next', and 'Cancel'.

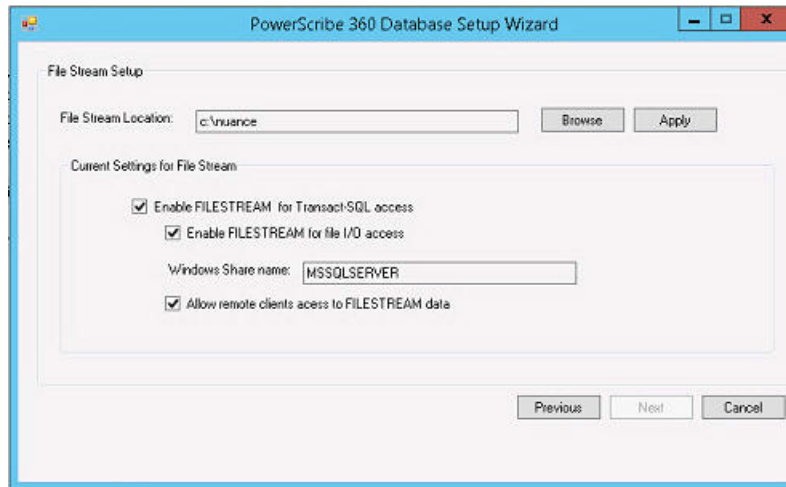
8. Take note of the Comm4 database version.
9. Click **Next**.

The Configuration Setup dialog displays.

The screenshot shows the 'PowerScribe 360 Database Setup Wizard' window, specifically the 'Configuration Setup' tab. The dialog has a title bar with standard Windows window controls. Inside, there are two dropdown menus at the top: 'Select Language:' set to 'US English' and 'Select Type:' set to 'New PS360 Database US English'. Below these are two sections for file configuration. The first section is for the 'Database File Name:', with a text box containing 'comm4', an 'Initial Size:' of 4, a 'Growth:' of 10, and a percentage dropdown. The 'Location:' text box contains 'c:\nuance\Database\comm4.mdf' and has a 'Browse' button. The second section is for the 'Log File Name:', with a text box containing 'comm4_Log', an 'Initial Size:' of 2, a 'Growth:' of 10, and a percentage dropdown. The 'Location:' text box contains 'c:\nuance\Database\comm4_Log.ldf' and has a 'Browse' button. At the bottom right, there are three buttons: 'Previous', 'Next', and 'Cancel'.

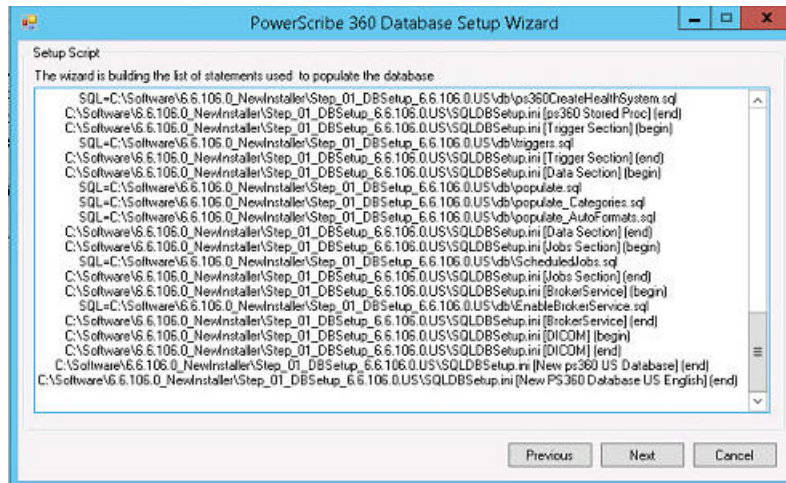
10. Select **New PS360 Database US English** or **New PS360 Database UK** as appropriate for the version you are installing.
11. For new installations, enter or verify the following:
 - a. Select Language: **US English** or **UK English** as appropriate for the version you are installing.
 - b. Database File Name: **comm4**
 - c. Location: **X:\Nuance\Database\comm4.mdf** (change only the drive letter, if necessary)
 - d. Log File Name: **comm4_Log**
 - e. Location: **X:\Nuance\Database\comm4_log.ldf** (change only the drive letter, if necessary)
12. Click **Next**.

The File Stream Setup dialog displays.

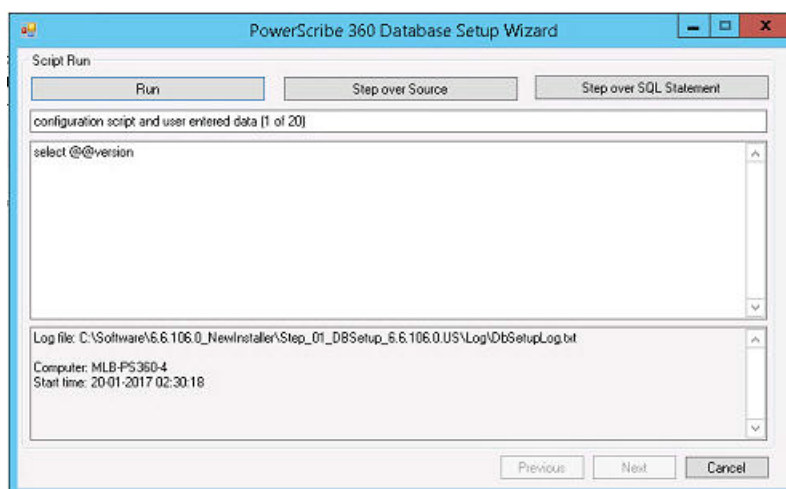


13. Change the File Stream Location drive to the **X:\Nuance\FileStream** folder you created above.
14. Click **Apply**, and then click **Next**.

The Setup Script dialog displays and the wizard builds the list of statements used to populate the database.



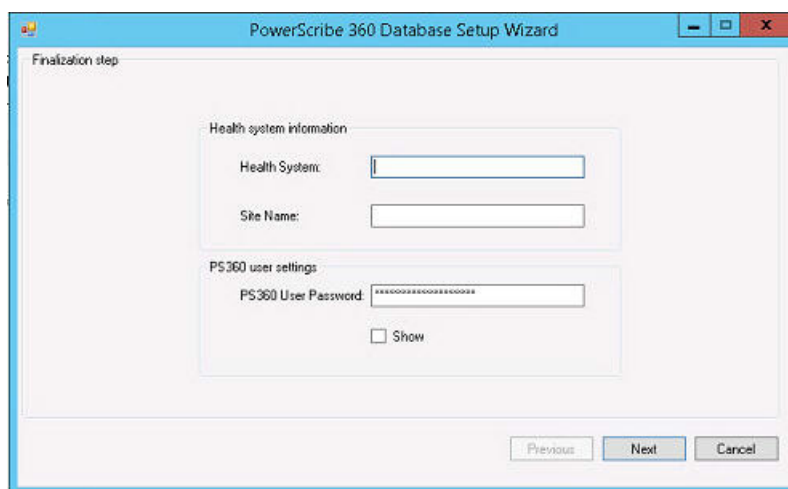
15. Click **Next**.



16. Click **Run**.

Wait for the installation to finish. After the database setup is complete, click **Next** when the button is available.

The Finalization step dialog displays.



- a. Enter:

- ◆ Health System = **Customer name**
- ◆ Site Name = First Site Name for this Customer
- ◆ PS360 User Password = The site administrator should provide the PS360 User Password that reflects the site's internal policies. The secure password should be 21 characters long. Be sure to record this password in the customer's environmental records.

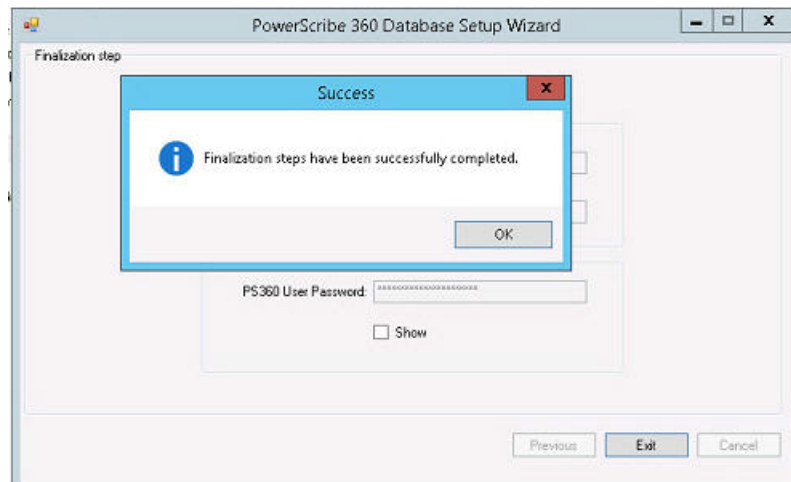
Best Practice



- The “SA” password entered should be provided by the customer’s site administrator consistent with the customer’s internal password policies. Nuance recommends the use of strong/complex passwords.
- Passwords should only be communicated over secure encrypted channels and/or stored in secure encrypted locations.

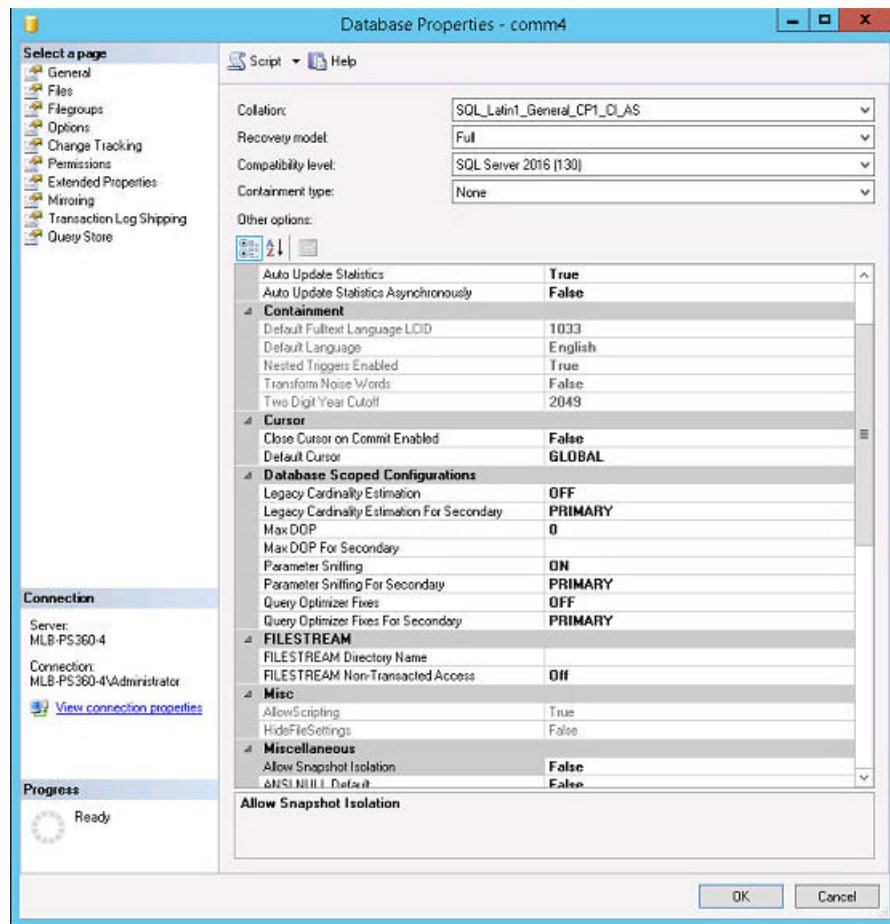
17. Click **Next**.

The Success dialog displays.



- Click **OK** on the Success dialog.
- Click **Exit**. The new installation of the database is complete.
- Log into the SQL management tool after completing the database upgrade/install.

- e. Select **comm4**, then right-click and select **Properties**.



- f. Right-click the Database Properties and select **Options**.
- g. From the Recovery model list, select **Full**.
- h. Click **OK**.

Set Max Degree of Parallelism to “1”

To set the Parallelism setting for an instance of SQL Server, follow these steps:

1. Right-click the server, and then click **Properties**.
2. Click **Advanced**.



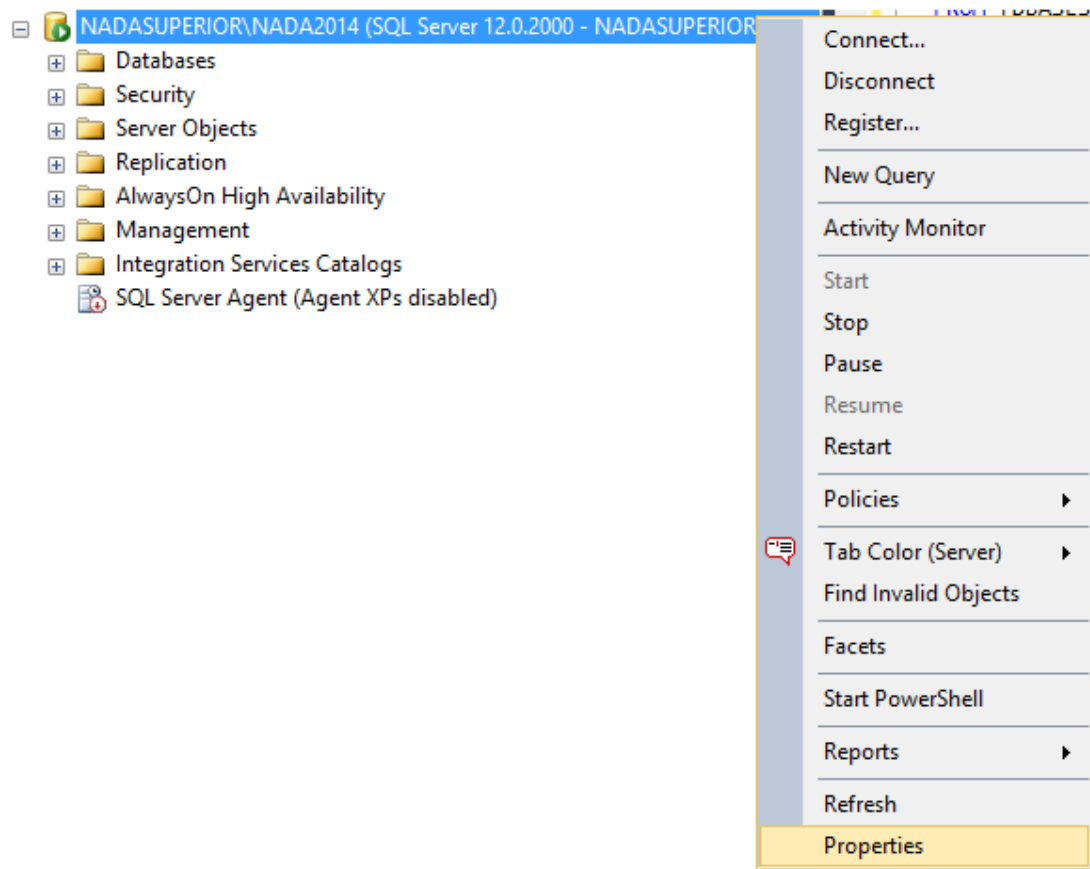
Note the Max Degree of Parallelism setting in the right pane.

3. If set to 0 (Zero), set it to 1.

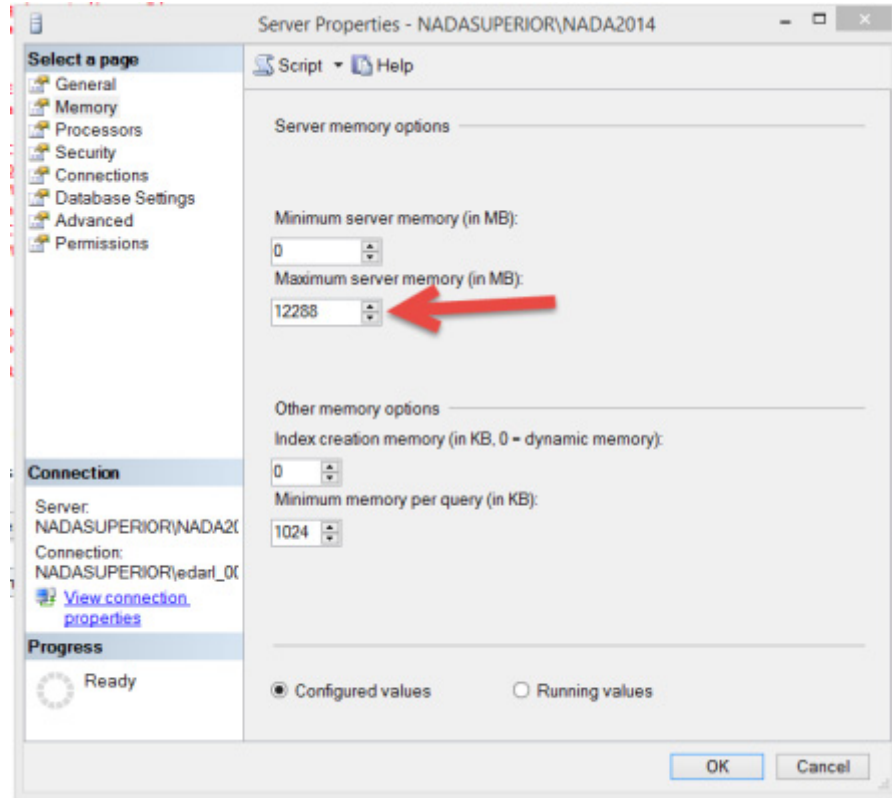
Set SQL Memory

To set the SQL Memory, follow these steps:

1. Log into the SQL Enterprise Manager and right-click the SQL server, and then select **Properties**.



The Server Properties Dialog displays.



2. Set the Maximum server memory (in MB) as follows:

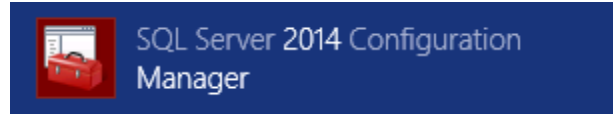
- ♦ If SQL and Application are on the same server, set the Maximum Memory to $\frac{1}{2}$ of the total memory on the server.
- ♦ If SQL is on its own server, set the Maximum Memory to $\frac{3}{4}$ of the total memory on the server.



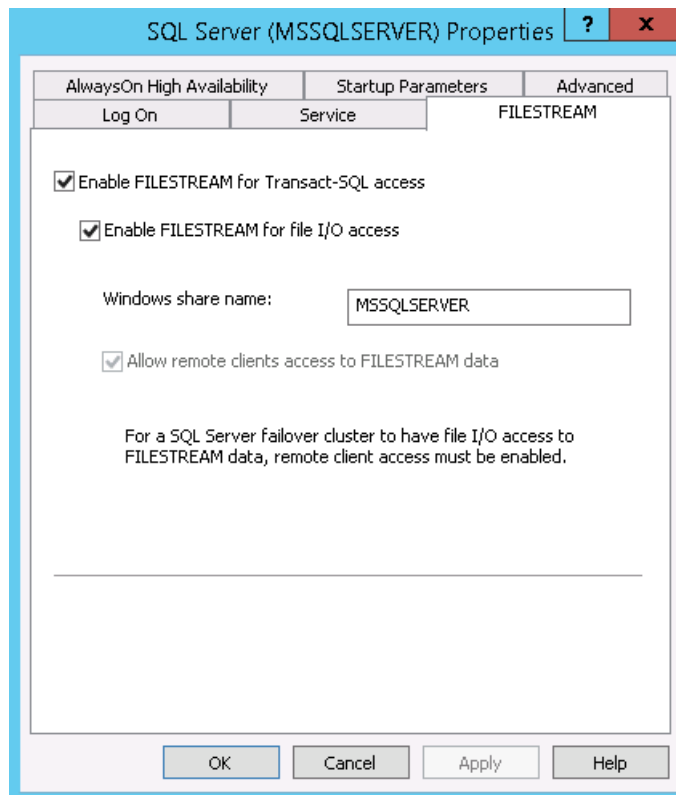
Perform the following steps to Enable FileStream on a Secondary Node if you are updating a cluster node, otherwise skip to [Application Server Installation](#).

Enable FileStream on Secondary Cluster Node

1. Open SQL Server Configuration Manger.



2. Go to SQL Server Services and double-click **SQL Server (MSSQLSERVER)**.
3. On the FILESTREAM tab, check all the options and make sure the Window share name is MSSQLSERVER, then click **OK**.



4. Restart the SQL cluster resource through the Failover Cluster Manager, and continue with the installation.

Create the SQL Maintenance Plan

Best Practice



- The **COMM4** database contains Protected Health Information (PHI). Nuance recommends that the **COMM4** database be encrypted consistent with the customer's data encryption policies.
- The **COMM4** database should be backed-up regularly and back-up copies maintained consistent with the customer's Disaster Recovery and Business Continuity policies. Backup-up copies of the **COMM4** database contain PHI, Nuance recommends that the back-ups the **COMM4** database be encrypted consistent with the customer's data encryption policies.

NOTE

If the SQL system is a cluster, the client / site is responsible for setting up backups and testing them.

1. Download the [PS360 Backup Maint Plan Creation](#) later version from [SharePoint](#).
2. Open the script in SQL Management Tool.
3. Edit the script to specify the path for full backups, trans backups, days to keep full backups and days to keep trans log backups.

```
/* Set backup path and days to keep full backup and log backups.  
   You must verify that the path for backups exist, or the plan will fail. */  
Set @FullPath = 'C:\Nuance\DatabaseBackup'  
Set @TransPath = 'C:\Nuance\DatabaseBackup'  
Set @FullDaysToKeep = 4  
Set @TransDaysToKeep = 2
```

4. Execute the script.
5. Once the Maintenance plan is created, manually execute the backup jobs to create an immediate backup of the database.

Management Reports Installation

If you are installing a SQL only server, you must now install the Management Reports to this server.

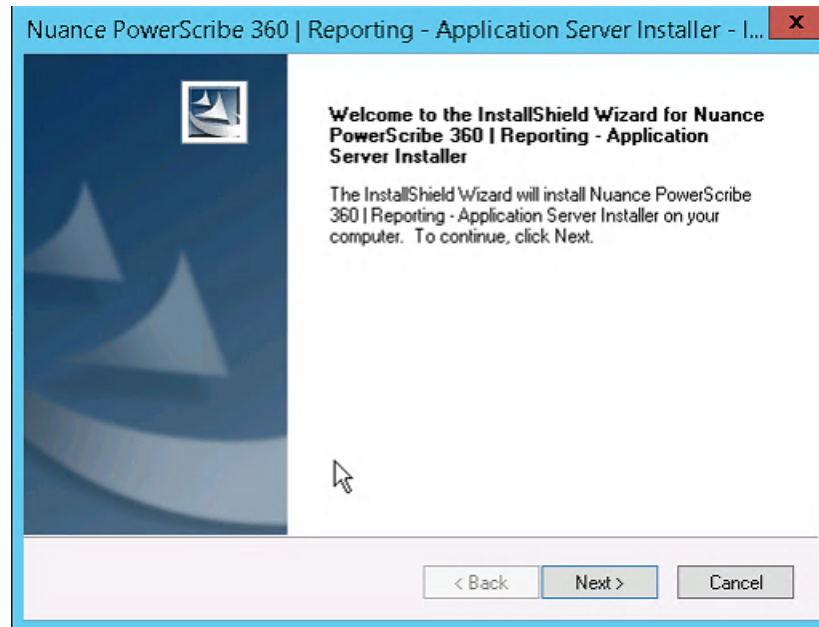
NOTE

For a Cluster Configuration:

Install the Applications on BOTH nodes. Use the Application Cluster Virtual Name for URL and the SQL Virtual Cluster Name for SQL

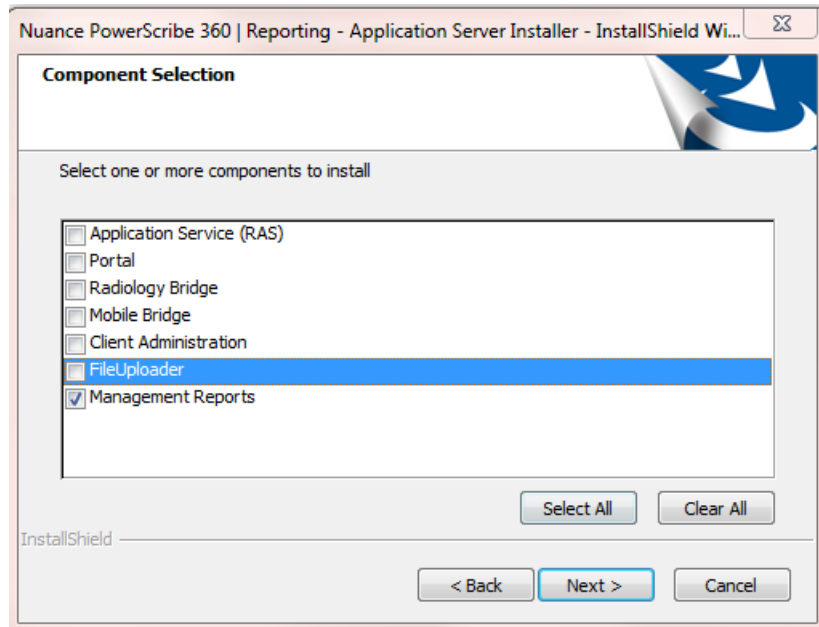
connections. When installing to Node 2, you must first fail the SQL over to Node (two) 2. If you do not, the installer will not see SQL as being active, only on App/SQL cluster.

1. In the **X:\Software\360_Install\4_0\Step_02_ApplicationServer_X.x.xx.x** folder, double-click the **setup.exe**.



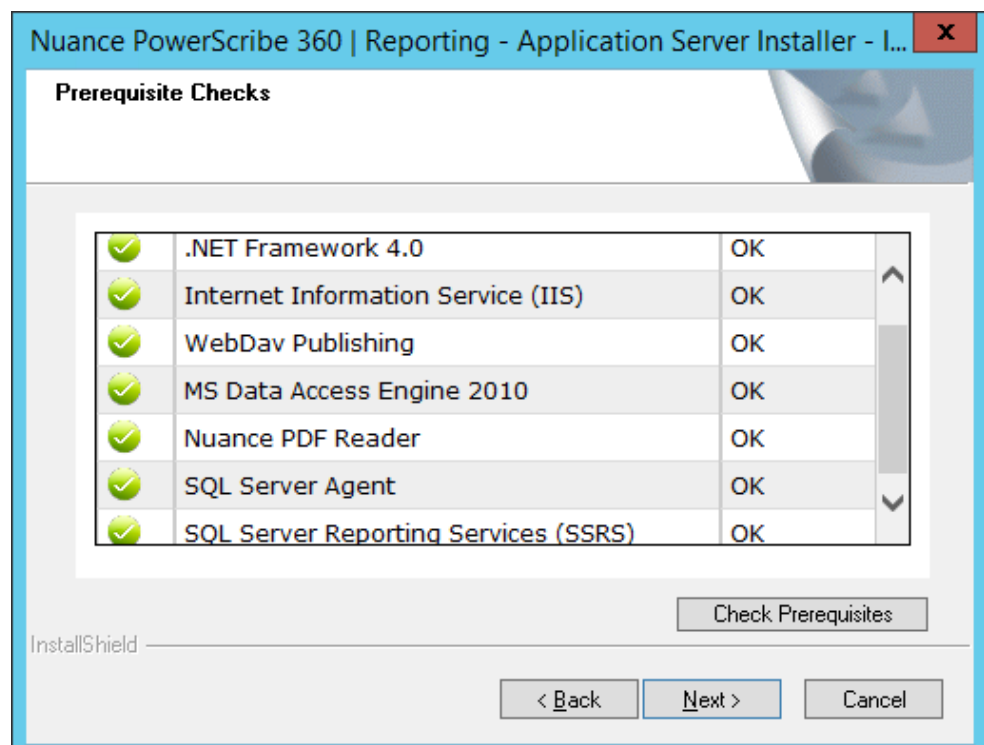
The installation application prepares the server. After a few moments, the Preparing to Install and Welcome dialogs display.

2. Click **Next**. The Component Selection dialog displays.
3. Click **Management Reports ONLY**, and click **Next**.



Management Reports MUST be installed to the System SQL Server. You may install to a separate server as long as SQL and IIS are installed to it, following the procedures outlined in this manual.

The Prerequisite Checks dialog displays and the InstallShield checks for prerequisites.



4. For any Prerequisites not found, click to install them one by one in the Status column. After installing each one, click Check Prerequisites to refresh the list. You must install all of the Prerequisites before moving forward with the installation.
5. After all Prerequisites are installed, click **Next**.
6. Follow the prompts to complete the installation.

Application Server Installation

Best Practice



Nuance recommends that all **PowerScribe 360 Reporting** network communication be secured and encrypted using Hypertext Transfer Protocol Secure (HTTPS). Nuance also recommends that the customer obtain a certificate from a trusted Certificate Authority consistent with the customer security policies.



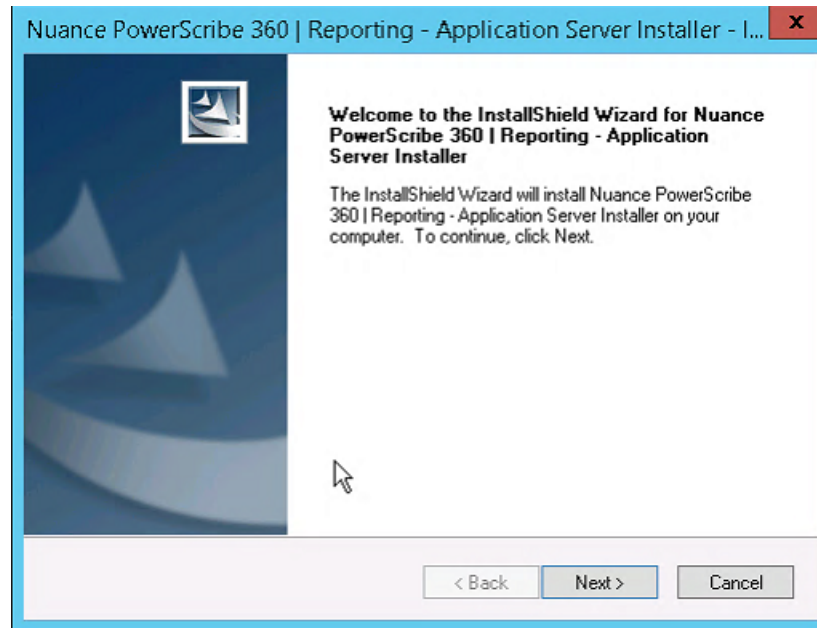
For a Cluster Configuration:

- *Install the Applications on BOTH nodes. Use the Application Cluster Virtual Name for URL and the SQL Virtual Cluster Name for SQL connections.*
- *When installing to Node 2, you must first fail the SQL over to Node (two) 2. If you do not, the installer will not see SQL as being active, only on App/SQL cluster.*



The installation has been modified to set the defaults for installations. Check Modify Defaults to change the settings for the following screens.

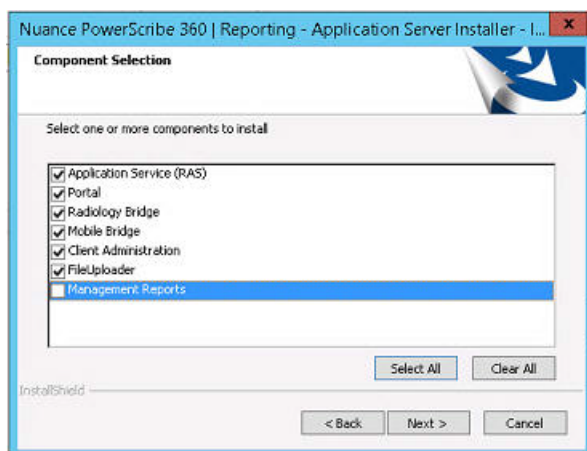
1. In the **X:\Software\360_Install\4_0\Step_02_ApplicationServer_X.x.xx.x** folder, double-click the **setup.exe**.



The installation application prepares the server. After a few moments, the Preparing to Install and Welcome dialogs display.

2. Click **Next**. The Component Selection dialog displays.
3. If this is an combination SQL and Application Server Click **Select All**.

4. If this is an Application ONLY server, select ALL modules EXCEPT for Management Reports.



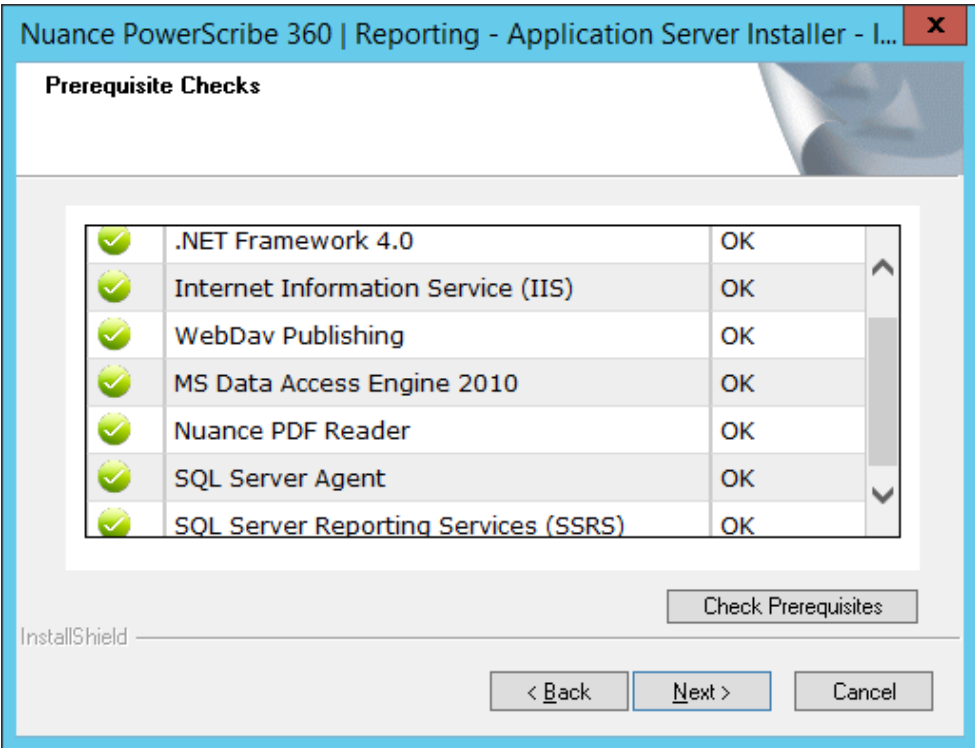
5. Click **Next**.
6. Select the following (As Appropriate):
- **Application Service (RAS)** - Install to the Application (IIS) Server
 - **Portal** - Install to the Application (IIS) Server
 - **Radiology Bridge** - RadBridge is required to be on the Application (IIS) server, except for Level 5. The client may choose to run RadBridge on the separate SQL Server.
 - **Mobile Bridge (optional)** - Select only if the Customer has purchased this option and will access Mobile Bridge from **within** the Customer's network (DMZ/firewall).



IMPORTANT

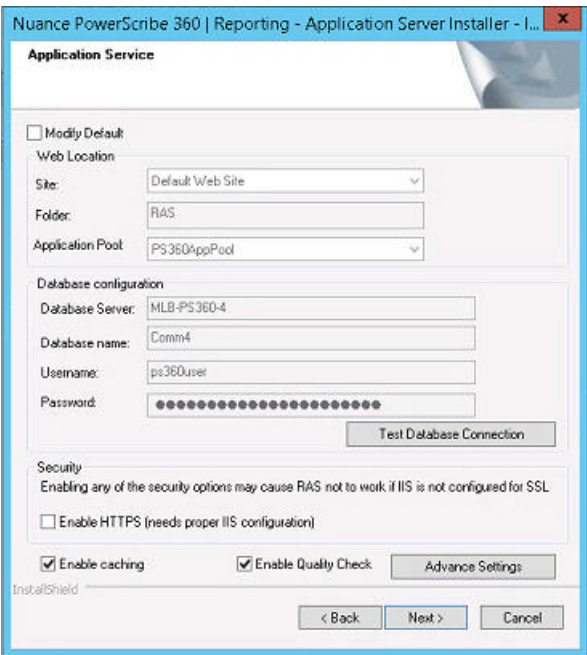
If the Customer has purchased this option AND the feature will be accessed outside of the Customer's Network (DMZ/firewall), do not check the option here. Instead, you must install this application software using the process in the [Mobile Bridge](#) section.

The Prerequisite Checks dialog displays and the InstallShield checks for prerequisites.



- For any Prerequisites not found, click to install them one by one in the Status column. After installing each one, click Check Prerequisites to refresh the list. You must install all of the Prerequisites before moving forward with the installation.
- After all Prerequisites are installed, click **Next**.

The Application Service dialog displays.



Best Practice



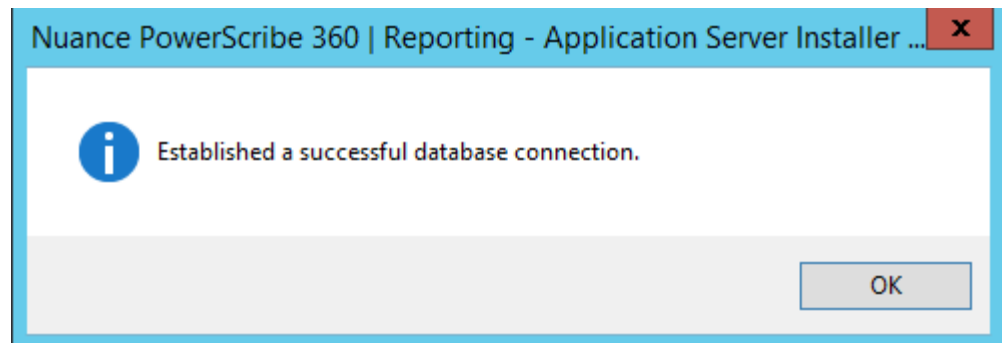
If an SSL certificate is installed on the server / system, set the connection type to HTTPS.



IMPORTANT

If you are installing to a cluster, you must change Database Server to Virtual SQL Name.

9. Enter the database password you created in step 16 on page [page 13](#).
10. Click **Test Database Connection** for validation. The established database connection should be established.



11. Click **OK**.
12. Click **Next**.

The Portal Configuration dialog displays.

13. For the Web Service Log Folder Path, browse to the directory name you created during the [Create Nuance Application Directories](#) step.



Do not use spaces in the Web Service Log Folder name.

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

14. Enter the database password you created in step 16 on page [page 13](#).
15. Click **Next**.

The Rad Bridge configuration dialog displays.

Nuance PowerScribe 360 | Reporting - Radiology Bridge - InstallShield...

Rad Bridge configuration

Rad Bridge Installation Location:

Folder: C:\Program Files (x86)\Nuance\RadBridge\ Browse...

Database configuration:

Database Server: MLB-PS360-4

Database name: Comm4

Username: ps360user

Password: [masked] Test Database Connection

Rad Portal Configuration:

RAS Base Address: Test RAS Connectivity

Protocol: http Server name: MLB-PS360-4 Virtual Path: RAS Port: [empty]

Dependency Configuration:

Specify the SQL Server (Windows Service) which the Bridge depends upon. When the computer reboots, that dependency will guarantee that SQL Server starts before the Bridge. Set to "No Dependency" if the SQL Server runs on a remote machine.

Service: No Dependency

DICOM Configuration:

Cleanup interval (min): 60 Days to keep: 5

InstallShield

< Back Next > Cancel



IMPORTANT

If you are installing the applications to a cluster, set the Dependency Configuration to No Dependency.

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

16. Enter the database password you created in step 16 on page [page 13](#).
17. Click **Next**.
18. If the Mobile Bridge is selected, and the following screen displays, verify the settings, and click **Next**. Ensure the Web Service Log Folder Path, browse to the directory name you created during the [Create Nuance Application Directories](#) step.

The screenshot shows the 'Mobile Bridge Configuration' dialog box. It has a title bar 'Nuance PowerScribe 360 | Reporting - Application Server Installer - I...'. The dialog contains the following fields and controls:

- ☐ Modify Default
- Web Location:
 - Site: Default Web Site (dropdown)
 - Folder: PS360Mobile (text box)
 - Application Pool: PS360AppPool (dropdown)
- RAS Configuration:
 - Base Address: (text box) [Test RAS Connectivity button]
 - Protocol: Http (dropdown)
 - Server name: MLB-PS360-4 (text box)
 - Virtual path: RAS (text box)
 - Port: (text box)
- Web Service Log Folder:
 - Folder Path: C:\Nuance\Logs (text box) [Browse... button]

At the bottom, there are buttons: < Back, Next >, and Cancel.

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

19. Click **Next**.
- The File Uploader Configuration dialog displays.

The screenshot shows the 'File Uploader Configuration' dialog box. It has a title bar 'Nuance PowerScribe 360 | Reporting - Application Server Installer - I...'. The dialog contains the following fields and controls:

- ☐ Modify Default
- File Uploader Web Location:
 - Site: Default Web Site (dropdown)
 - Folder: PS360FileUploaderService (text box)
 - Application Pool: PS360FileUploaderService (dropdown)
- File Uploader Configurations:
 - File upload path: C:\Nuance\FileUploader (text box) [Browse... button]
 - Username: FileUploaderUser (text box)
 - Password: (password field with masked characters)

At the bottom, there are buttons: < Back, Next >, and Cancel.

20. Click **Browse** and change the File Upload path to the data drive X:\Nuance\FileUploader (X is the drive of choice). The installer will create the folder.
21. **DO NOT CHANGE** the Username and Password already populated.
22. Click **Next**.

The Reporting Service Configuration dialog displays.

The screenshot shows the 'Reporting Service Configuration' dialog box. It has two main sections: 'Report Service URL Builder' and 'PS360 Database'. In the 'Report Service URL Builder' section, 'Server name' is 'MLB-PS360-4', 'Instance' is 'MSSQLSERVER', and 'SSRS Version' is '13'. There is an unchecked 'Use SSL' checkbox and a 'Test RS Connection' button. In the 'PS360 Database' section, 'Server name' is 'MLB-PS360-4', 'Database name' is 'Comm4', 'SQL Username' is 'ps360user', and 'User password' is masked with dots. There is a 'Test DB Connection' button. At the bottom, there are '< Back', 'Next >', and 'Cancel' buttons. The 'InstallShield' logo is in the bottom left corner.

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

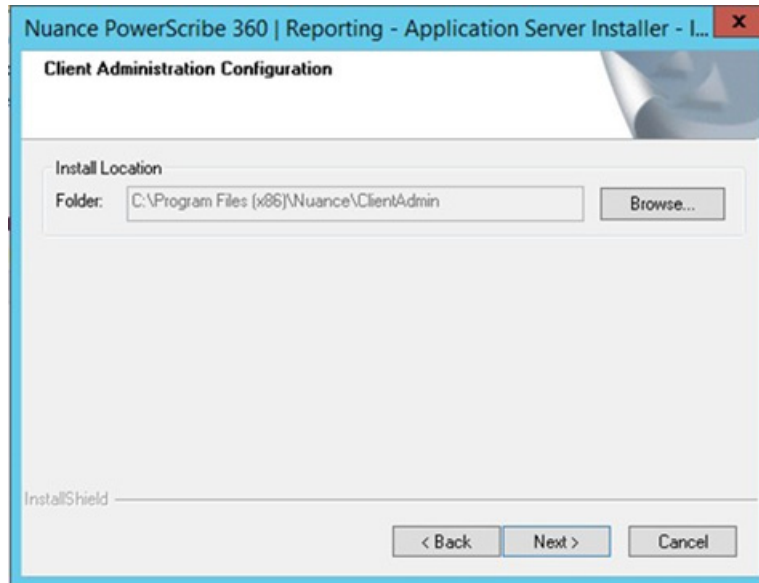
23. Click **TEST RS Connection**.



If you are installing to a cluster, SQL Enterprise must be installed to have High Availability on the Reporting service. If Enterprise edition is not installed, Reporting will either need to be installed on one node only, or installed on a separate SQL Reporting server.

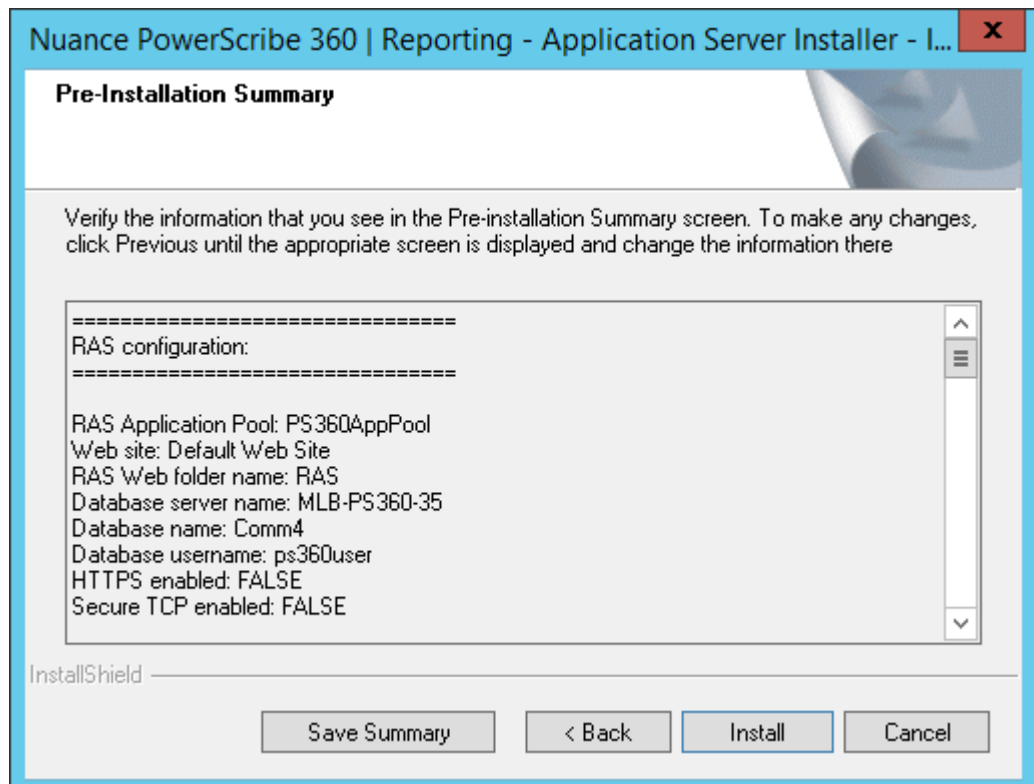
24. Enter the database password you created in step 16 on page [page 13](#).
25. Click **Next**.

The Client Administration Configuration dialog displays.



26. Click **Next**.

The Pre-Installation Summary dialog displays.



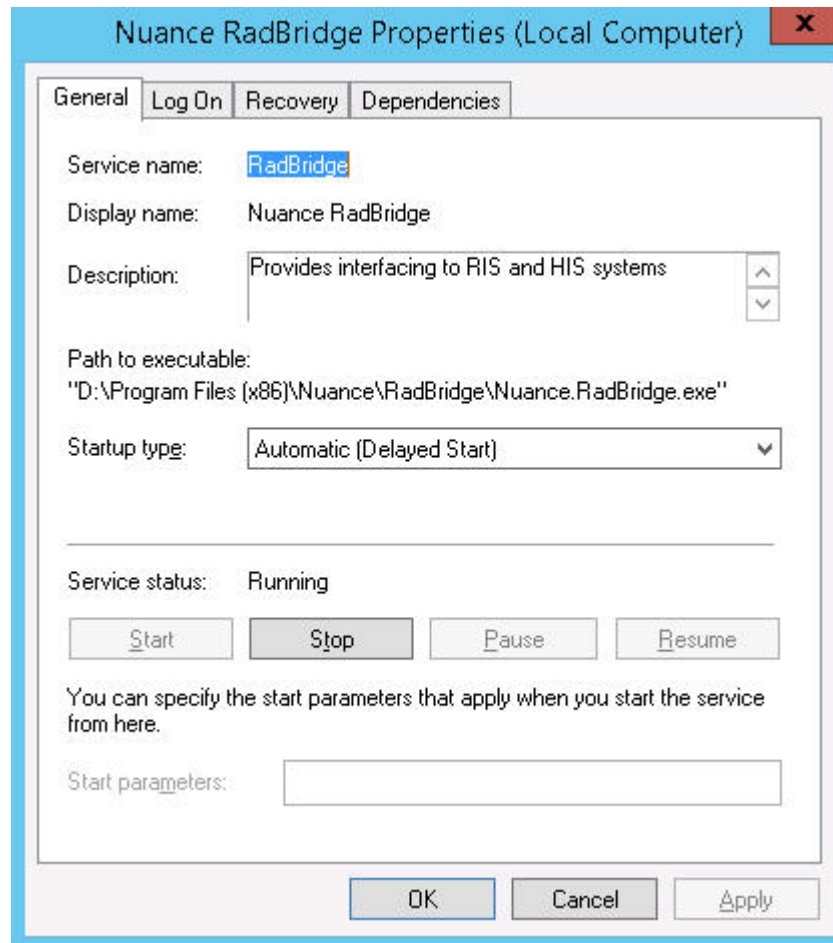
27. Click **Save Summary** and save to the machine desktop.

28. Click **Install**.

Wait while the application runs and installs all of the components.

29. Click **Finish**.

30. If the web and SQL reside on different servers, and the web server is non-clustered, you need to perform the following additional steps:
- Launch the Windows Services management console.
 - Locate the Nuance RadBridge service.
 - Modify the Startup Type to be Automatic (Delayed Start).

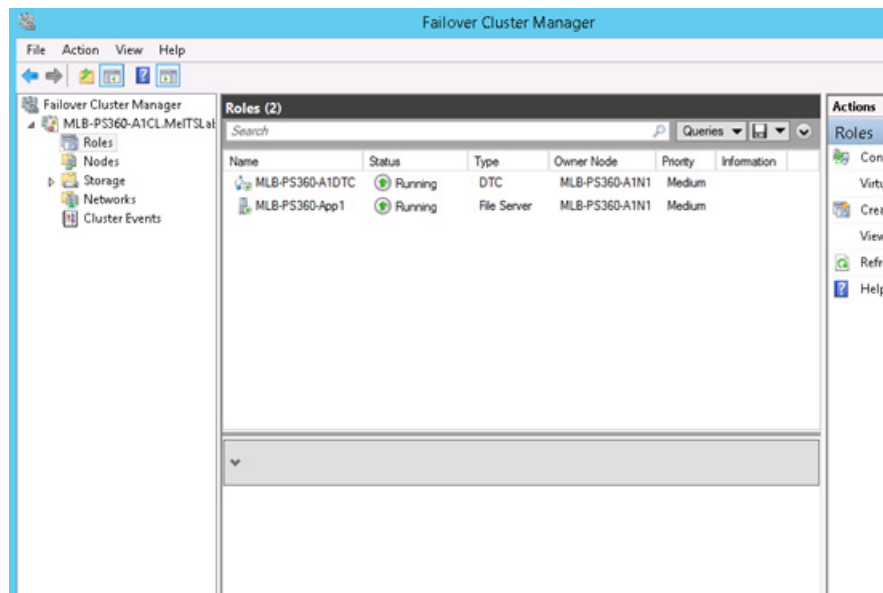


If you are not installing a cluster configuration, skip to the [Client Administration Configuration Tool](#) to continue.

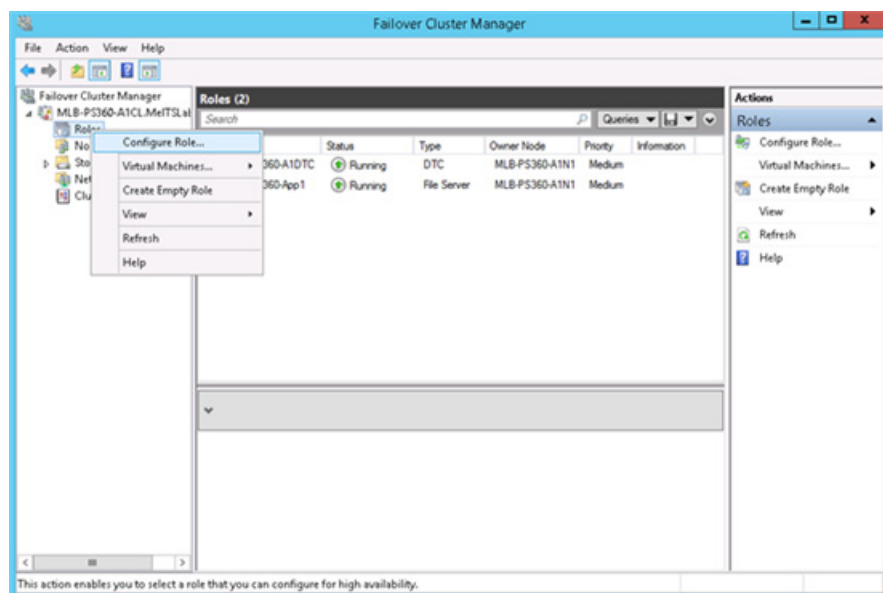
Create the RadBridge Cluster Service

2012 Cluster Configuration

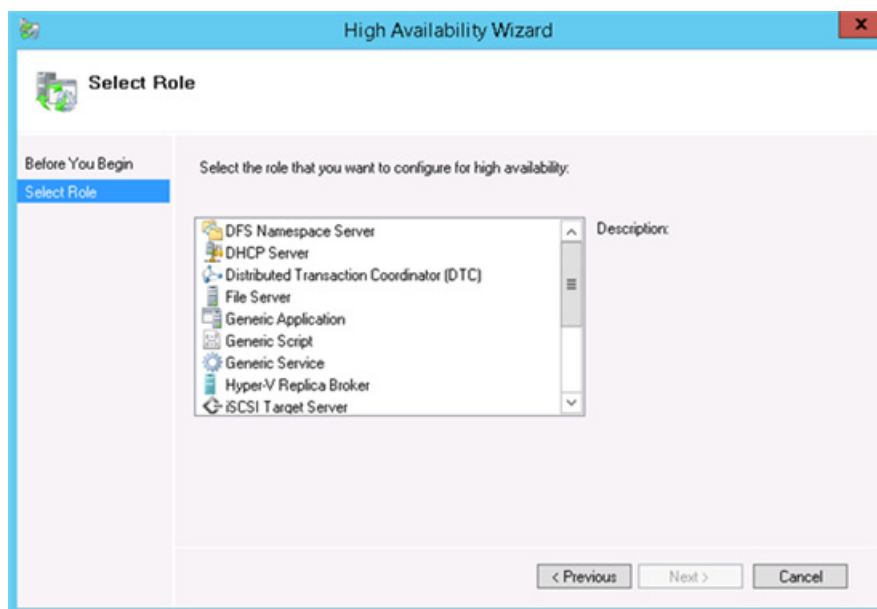
1. Open the Failover Cluster Manager application.



2. Right-click **Roles**, then select **Configure Role**.

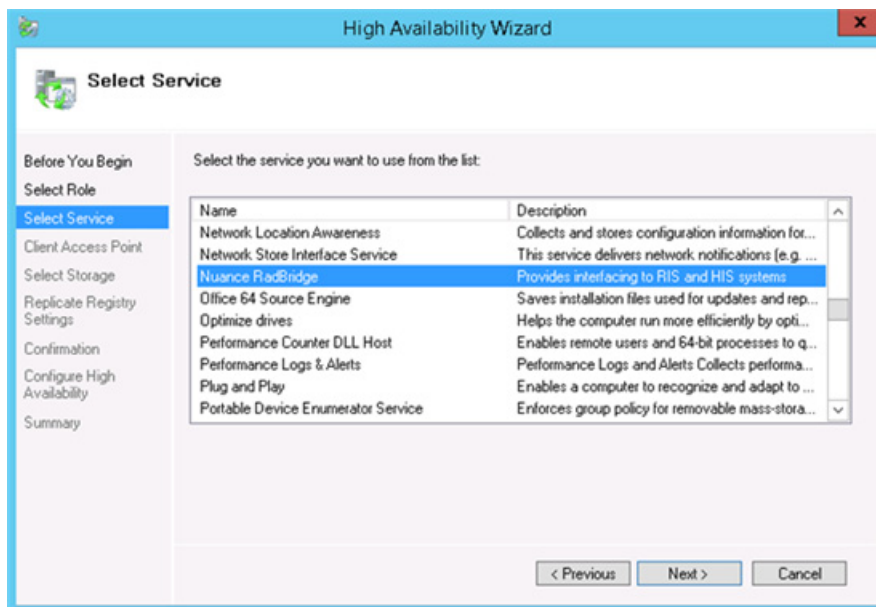


The Select Role dialog displays.



3. Select **Generic Service** and click **Next**.

The Select Service or Application dialog displays.



4. Select **Nuance RadBridge**.
5. Click **Next**.

The Client Access Point dialog displays.

High Availability Wizard

Client Access Point

Before You Begin
Select Role
Select Service
Client Access Point
Select Storage
Replicate Registry Settings
Confirmation
Configure High Availability
Summary

Type the name that clients will use when accessing this clustered role:

Name:

The NetBIOS name is limited to 15 characters. One or more IPv4 addresses could not be configured automatically. For each network to be used, make sure the network is selected, and then type an address.

	Networks	Address
<input checked="" type="checkbox"/>	10.2.12.0/22	Click here to type an address

< Previous Next > Cancel



IMPORTANT

If your cluster detects DHCP during the configuration wizard, it will not ask for a static IP Address (as in the screen above), although these can be configured anytime (go to the Properties for this service after the Wizard is finished). However, the IPs assigned by DHCP may change and cause problems with the configuration (pointing to the wrong location), so it is best to configure the static IP addresses.

If DHCP is not detected, the window will look similar to the following, and you can enter the static IP address.

High Availability Wizard

Client Access Point

Before You Begin
Select Role
Select Service
Client Access Point
Select Storage
Replicate Registry Settings
Confirmation
Configure High Availability
Summary

Type the name that clients will use when accessing this clustered role:

Name:

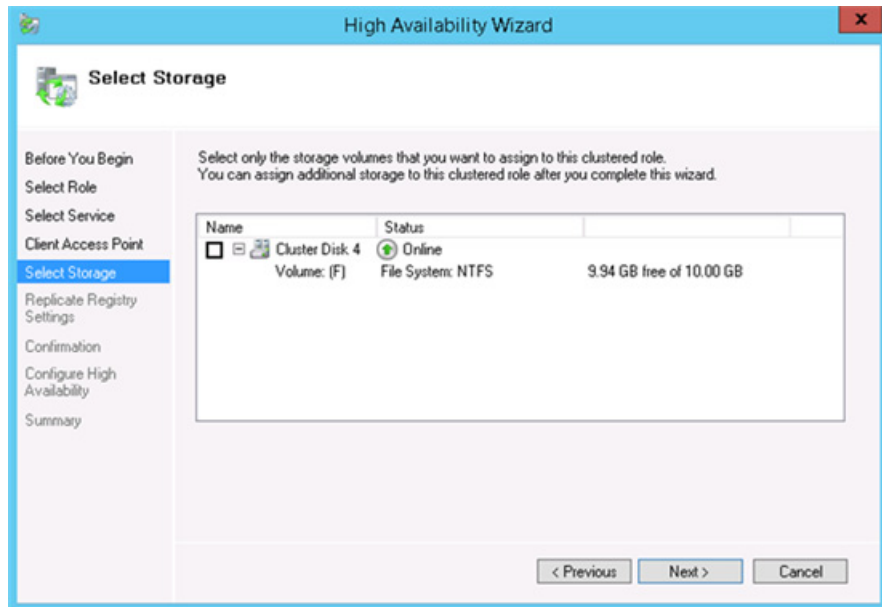
The NetBIOS name is limited to 15 characters. One or more IPv4 addresses could not be configured automatically. For each network to be used, make sure the network is selected, and then type an address.

	Networks	Address
<input checked="" type="checkbox"/>	10.2.12.0/22	10.2.12.204

< Previous Next > Cancel

6. In either case, enter the name for the RadBridge service that was chosen beforehand, e.g., **RadBridgeSvc**.
7. Click **Next**.

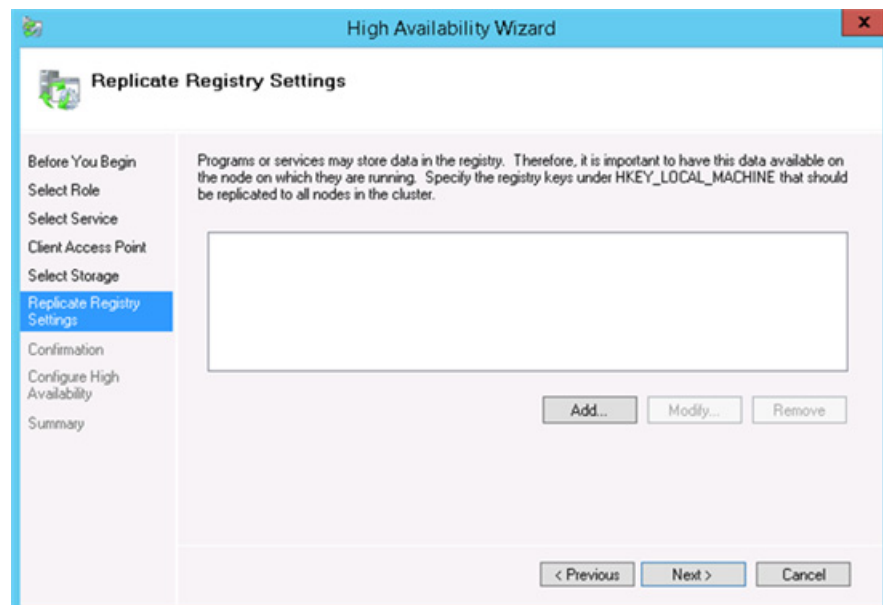
The Select Storage dialog displays.



This display all unassigned disks in the cluster. Check the box for the chosen disk for the Bridge logs.

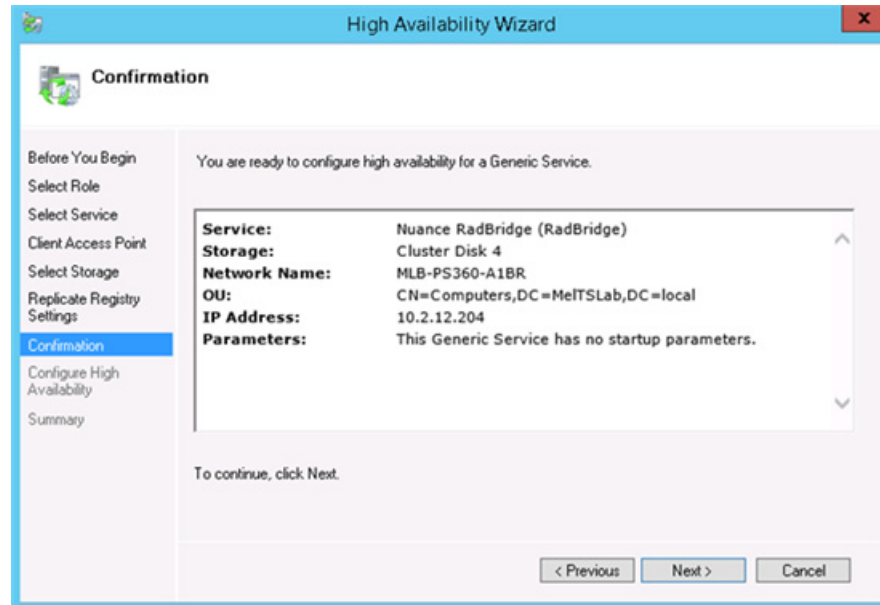
8. Click **Next**.

The Replicate Registry Settings dialog displays.



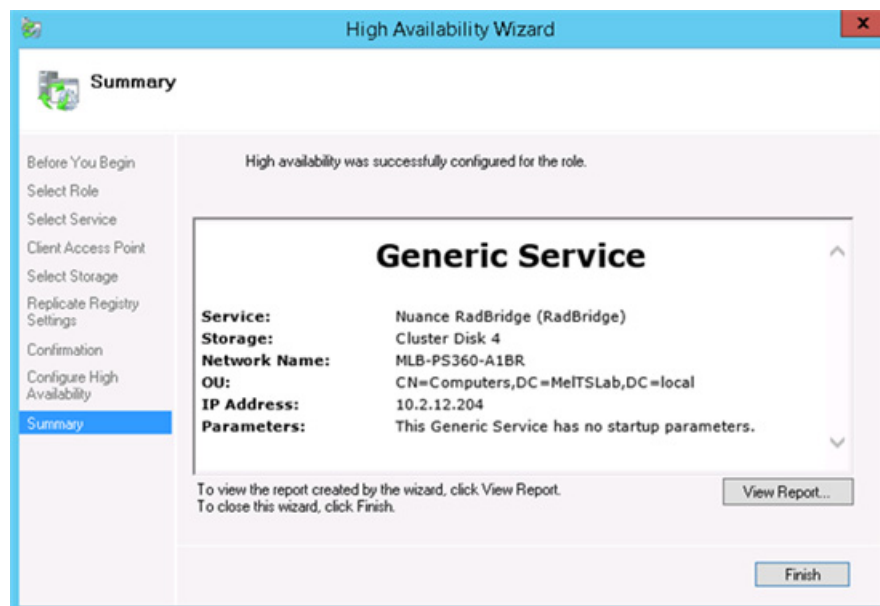
9. Click **Next**.

The Confirmation dialog displays. The following is only an example.



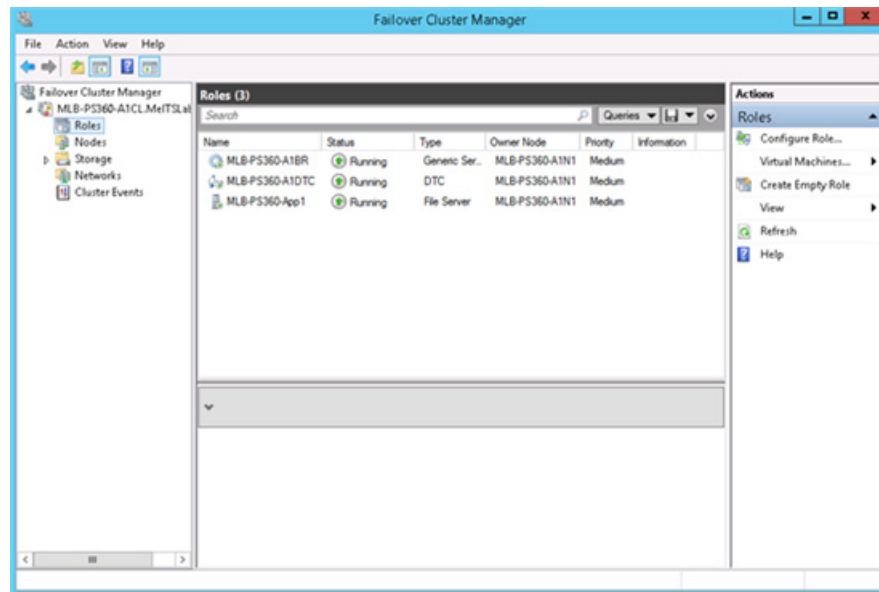
10. Click **Next**.

When finished, the Summary dialog displays.



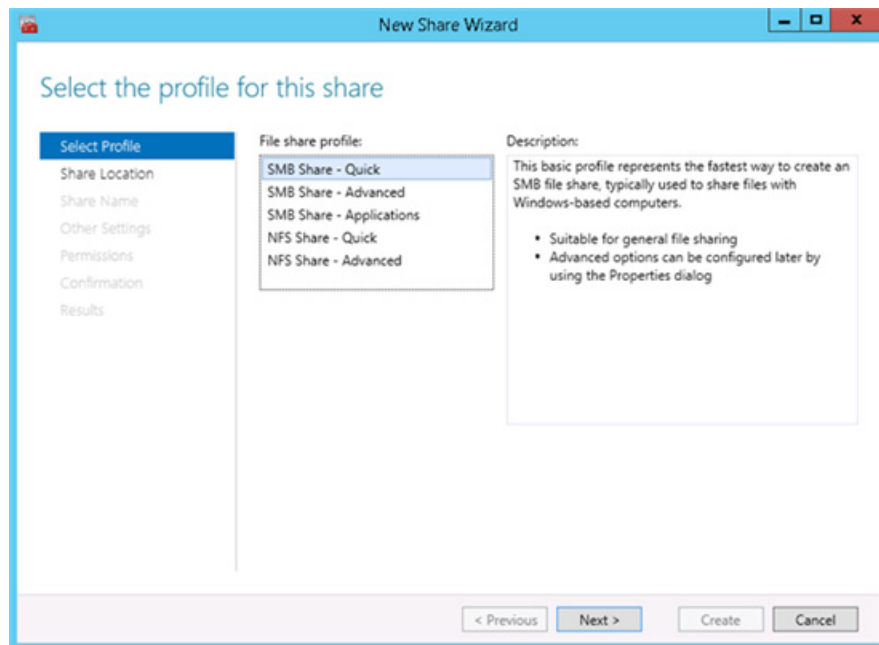
11. Click **Finish**.

The Failover Cluster Management window displays.



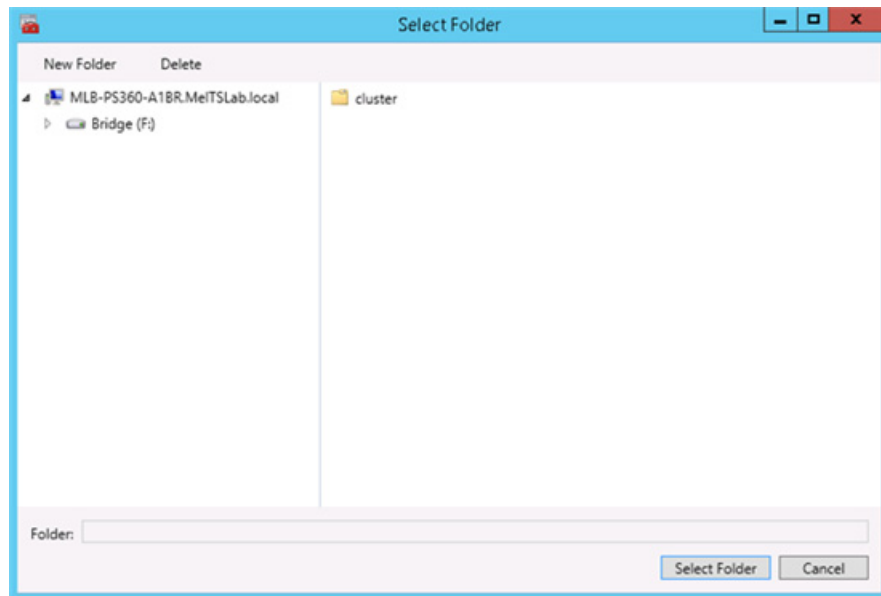
12. Right-click the **RadBridgeSvc** entry in the middle pane.
13. Select **Add File Share**.

The New Share Wizard dialog displays.



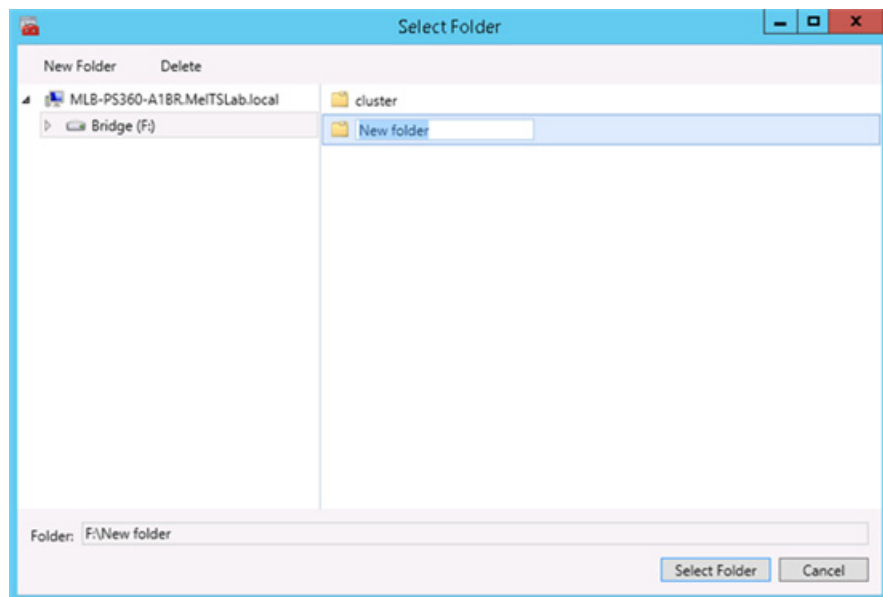
14. Select **SMB Share - Quick**.
15. Click **Next**.
16. Select the Bridge resource under the Server section.
17. Select **Type a custom path**.
18. Click **Browse**.

The Select Folder dialog displays.



19. Select the folder, e.g., F\$.
20. Click **New Folder** to make a folder under the folder you just selected.

The following displays, with the New Folder name highlighted.



21. Enter a name for the folder, **Nuance**.
22. Repeat the same process under the Nuance folder, and make one called **BridgeLogs**.
23. Click **Select Folder**.

The Share Folder Location window displays.

The 'New Share Wizard' window is shown with the 'Share Location' step selected in the left-hand navigation pane. The main area is titled 'Select the server and path for this share'. It features a 'Server:' section with a table listing available servers. Below this, there are two options for 'Share location:'. The first option, 'Select by volume:', shows a table with one volume 'F:' having 9.94 GB free space and 10.0 GB capacity, using the NTFS file system. The second option, 'Type a custom path:', is selected with a radio button, and the text 'F:\Nuance\BridgeLogs' is entered in the adjacent field. At the bottom, there are buttons for '< Previous', 'Next >', 'Create', and 'Cancel'.

Server Name	Status	Cluster Role	Owner Node
MLB-PS360-A1BR	Online	Generic Service	
MLB-PS360-A1DTC	Online	Distributed Tra...	
MLB-PS360-A1FS	Online	File Server	

Volume	Free Space	Capacity	File System
F:	9.94 GB	10.0 GB	NTFS

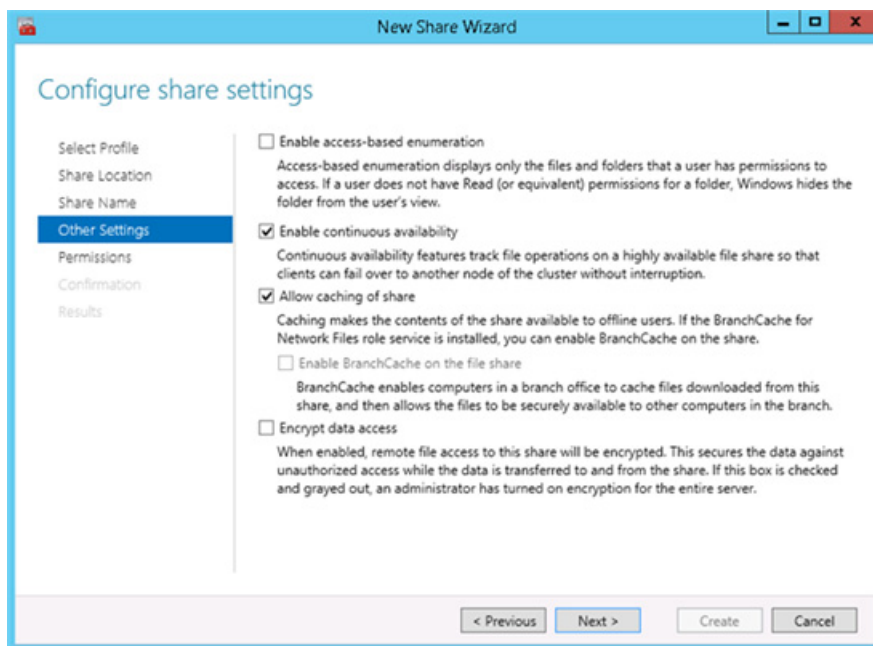
24. Click **Next**.

The Share Name dialog displays.

The 'New Share Wizard' window is shown with the 'Share Name' step selected in the left-hand navigation pane. The main area is titled 'Specify share name'. It contains four input fields: 'Share name:' with 'BridgeLogs' entered, 'Share description:' (empty), 'Local path to share:' with 'F:\Nuance\BridgeLogs' entered, and 'Remote path to share:' with '\\MLB-PS360-A1BR\BridgeLogs' entered. At the bottom, there are buttons for '< Previous', 'Next >', 'Create', and 'Cancel'.

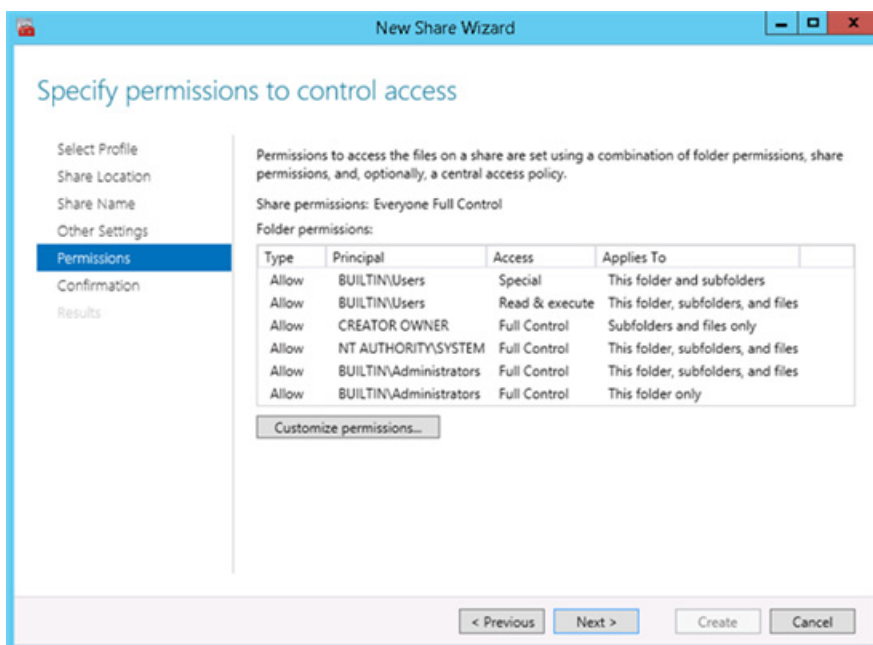
25. Click **Next**.

The Other Settings dialog displays.



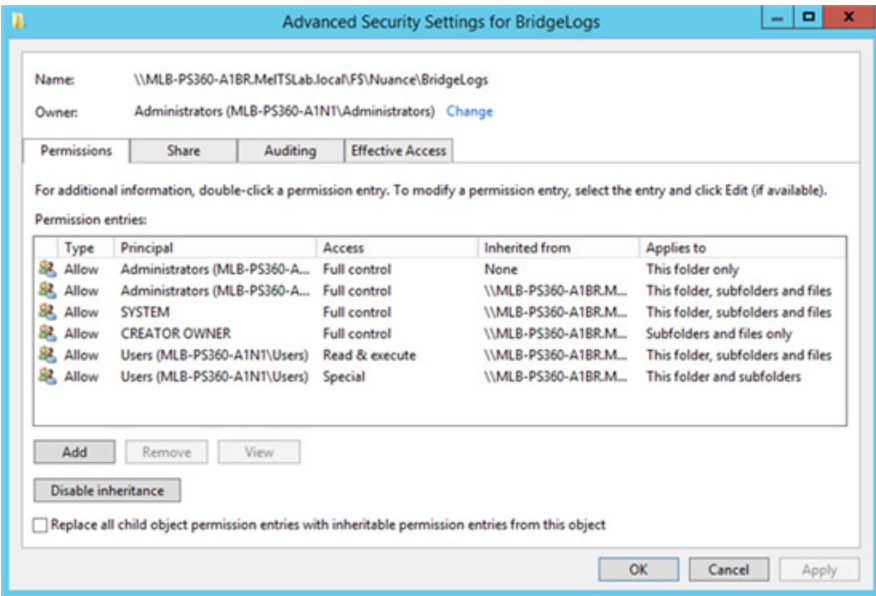
26. Click **Next**.

The Permissions dialog displays.



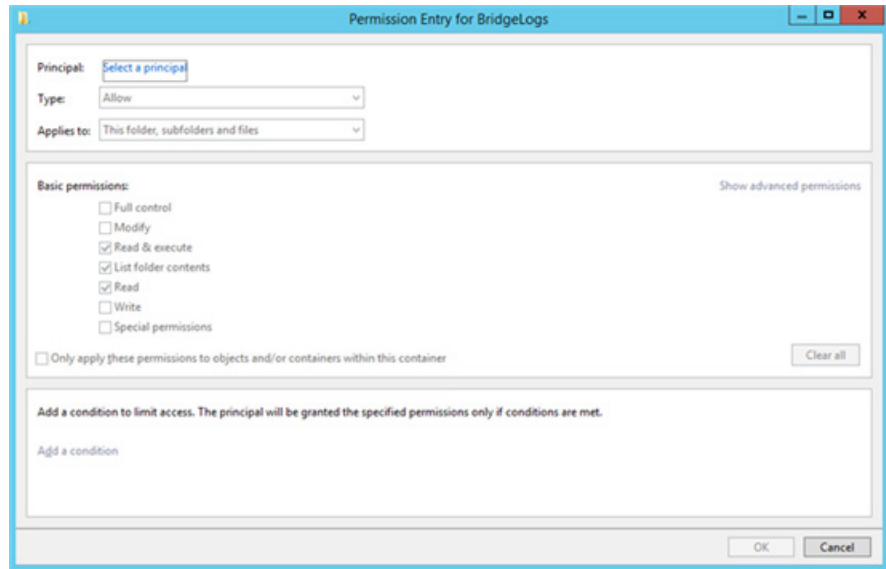
27. Click **Customize permissions**.

Advanced Security Settings dialog displays.



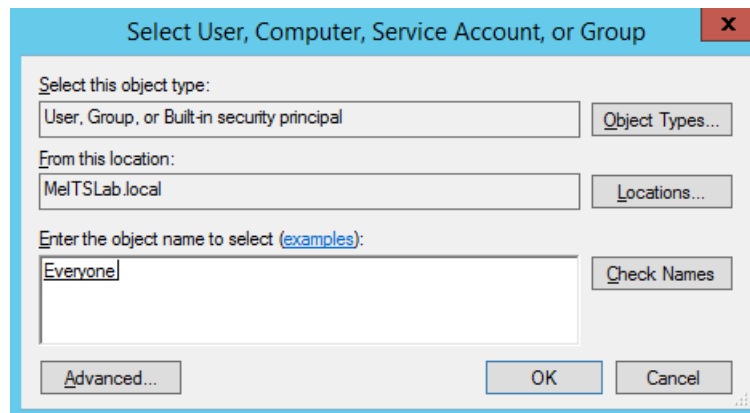
28. Click **Add**.

Permission Entry dialog displays.



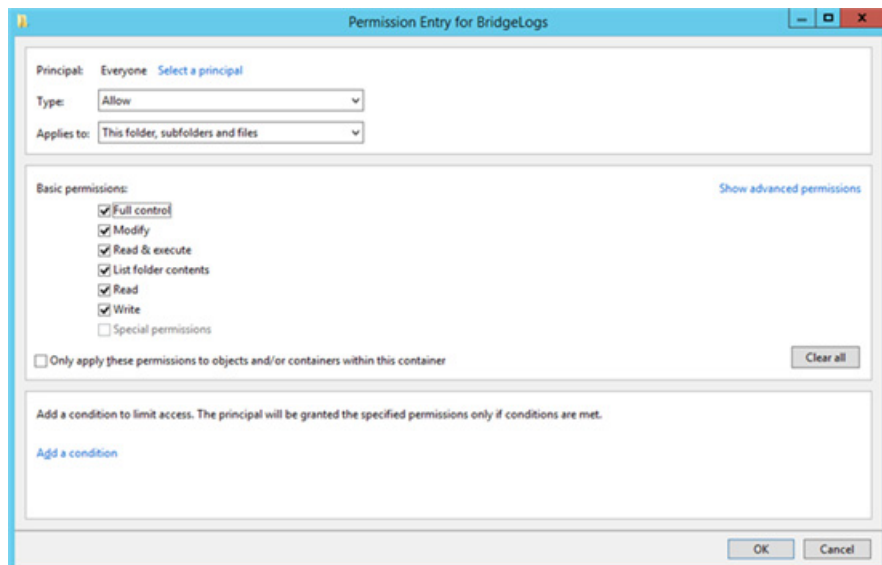
29. Click **Select a principal**.

Select User, Computer, Service Account, or Group dialog displays.



30. Enter **Everyone** in the Enter section and click **OK**.

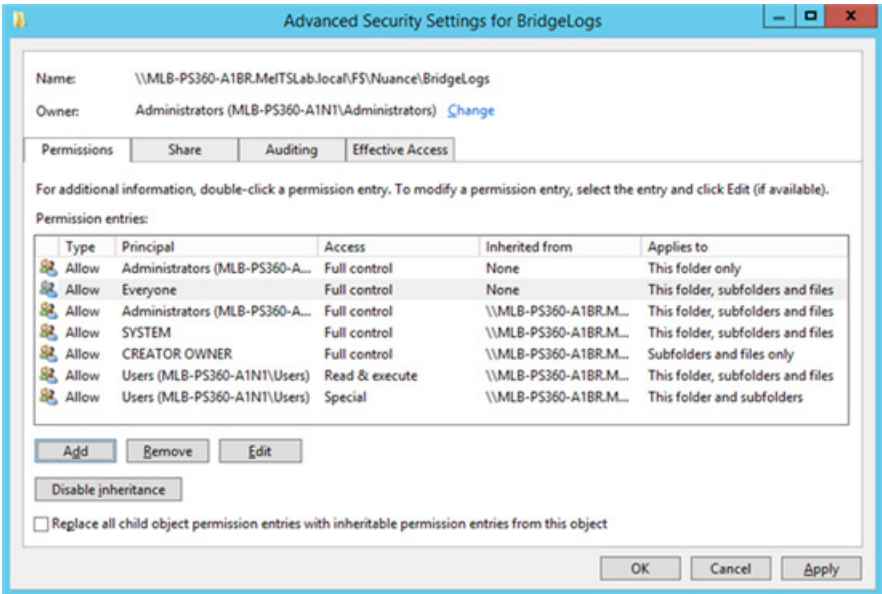
The Permission Entry dialog displays.



31. Set the permissions to **Full Control**.

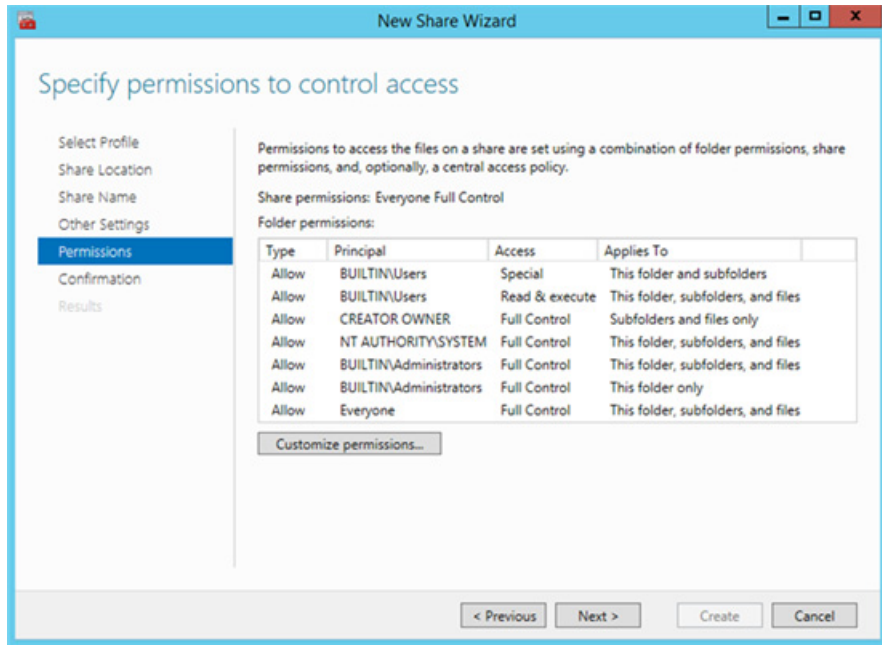
32. Click **OK**.

The Advanced Security Settings window displays.



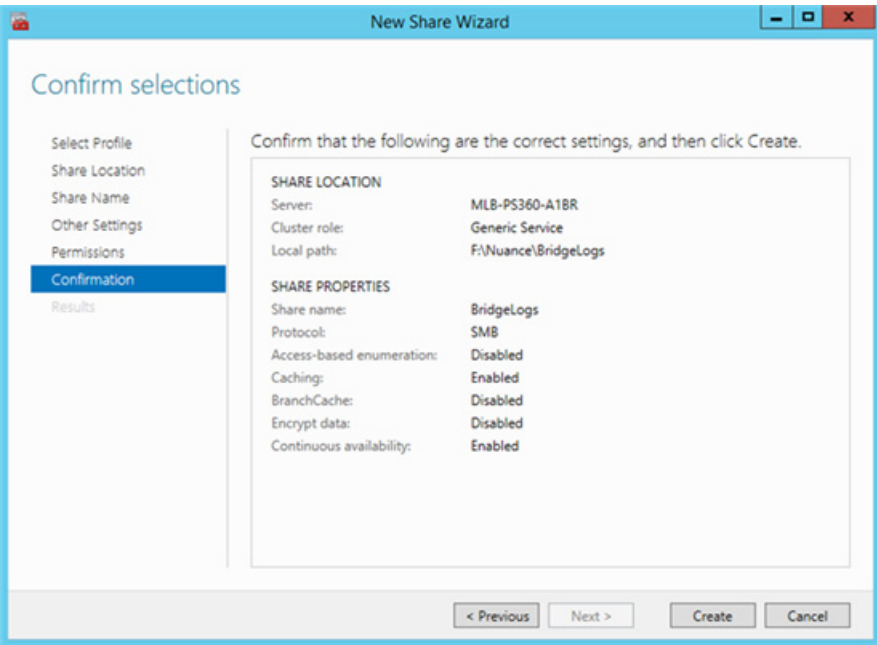
33. Click **OK**.

The Permissions window displays.



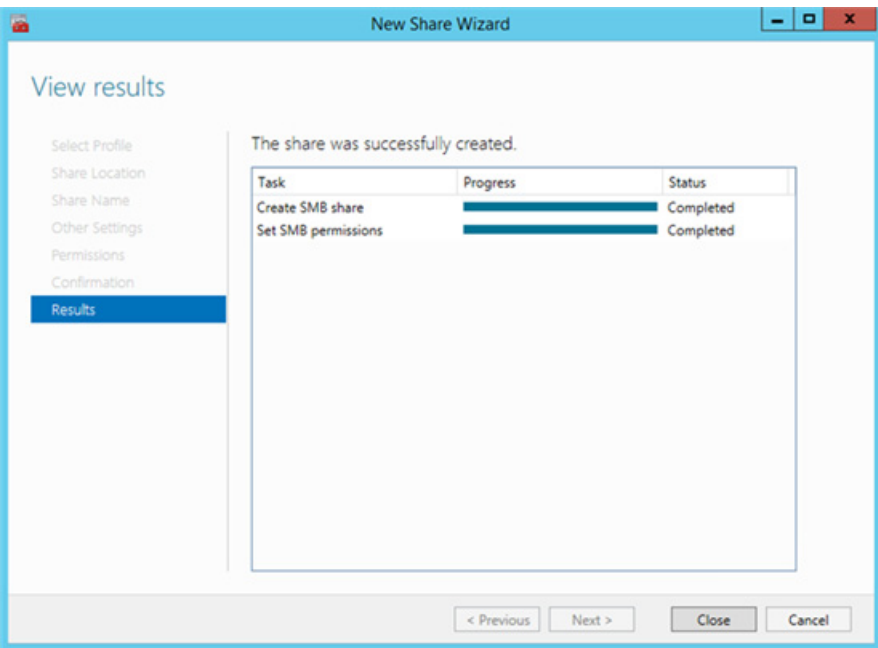
34. Click **Next**.

The Confirmation dialog displays.



35. Verify the information is correct, and then click **Create**.

The Results dialog displays.



36. Click **Close**.

37. Proceed to the next section.

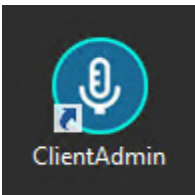
Client Administration Configuration Tool



For a Cluster Configuration, use the Application Cluster Virtual Name for the URL and the SQL Virtual Cluster Name for SQL connections.

For a cluster be sure that you run the Administration Configuration Tool on both nodes.

1. Click the new Client Administration icon on the desktop.



The Client Administration Tool dialog displays.

A screenshot of the "PowerScribe 360 | Reporting - Client Administration Tool" dialog box. The "Client Installer" section is active, showing options for "Install Type". The "Create Web Installer" option is selected. Below it, "Web Site / Folder" is set to "Default Web Site", "Server Path" is "http", and the path is "MLB-PS360-4/PS360ReportingClient". Other options like "Create Shared Folder Installer", "Create DVD Installer", "Dragon Source Path", "Dragon Installers", "Integration Components", "Include Disclaimer Banner", "RAS Server Site", "Publication Version", and "Dragon User Profiles" are also visible with their respective input fields and buttons.

2. **Check the Create Web Installer** option with Default Web Site and PS360Reporting Client for the Web Site/Folder options.

Best Practice



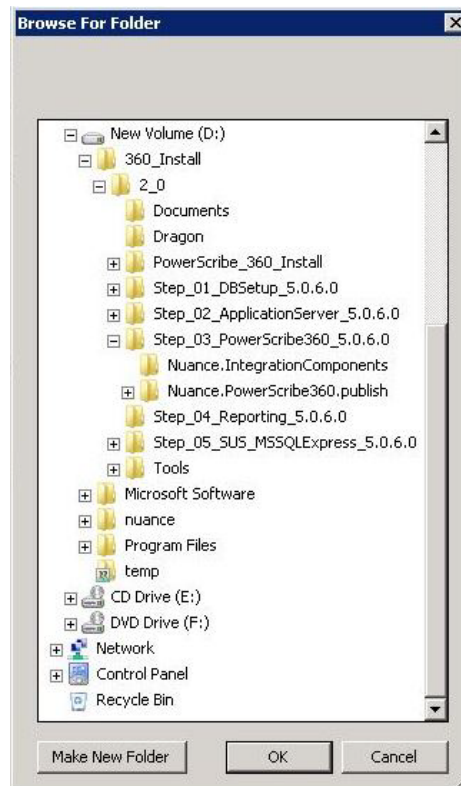
If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

NOTE

Do not select the shared folder installer.

- a. If you are installing to a cluster, set the URL to the virtual cluster name.
3. Check the Create DVD Installer box.
 - a. Set the DVD Destination Path, X:\Nuance\DVD Install
4. Set the **Dragon Source Path**.
 - a. To find this source path, use the ellipses button for this entry and browse to the location where you extracted the Dragon disk/image files.

The application will detect **Dragon Installers** available and check them appropriately.
5. Enter the **Integration Components Source Path** and the **Publication Source Path**.
 - a. To find these source paths, use the ellipses buttons for each entry and browse to the location where you extracted the Step_03_PowerScribe360_X.x.xx.x files. These will be in the path under that step.



6. Click **OK**.

The Client Administration Tool dialog displays.



If this is a DOD facility, you should enable and add a site security message by checking the box.

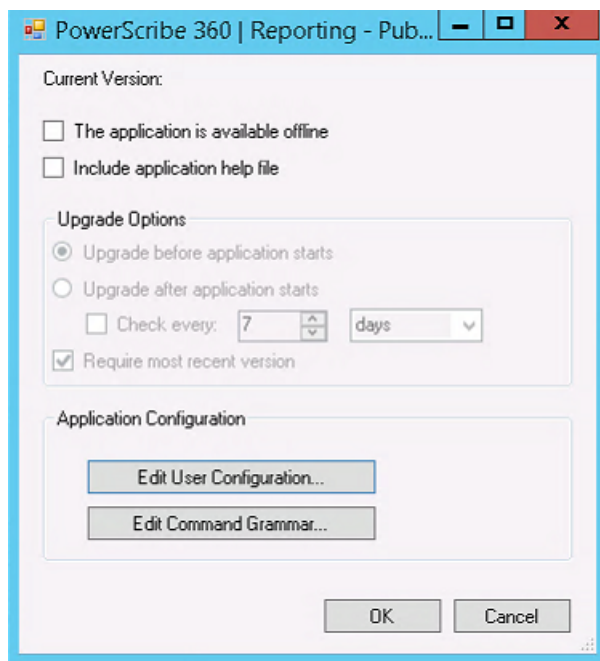
Best Practice



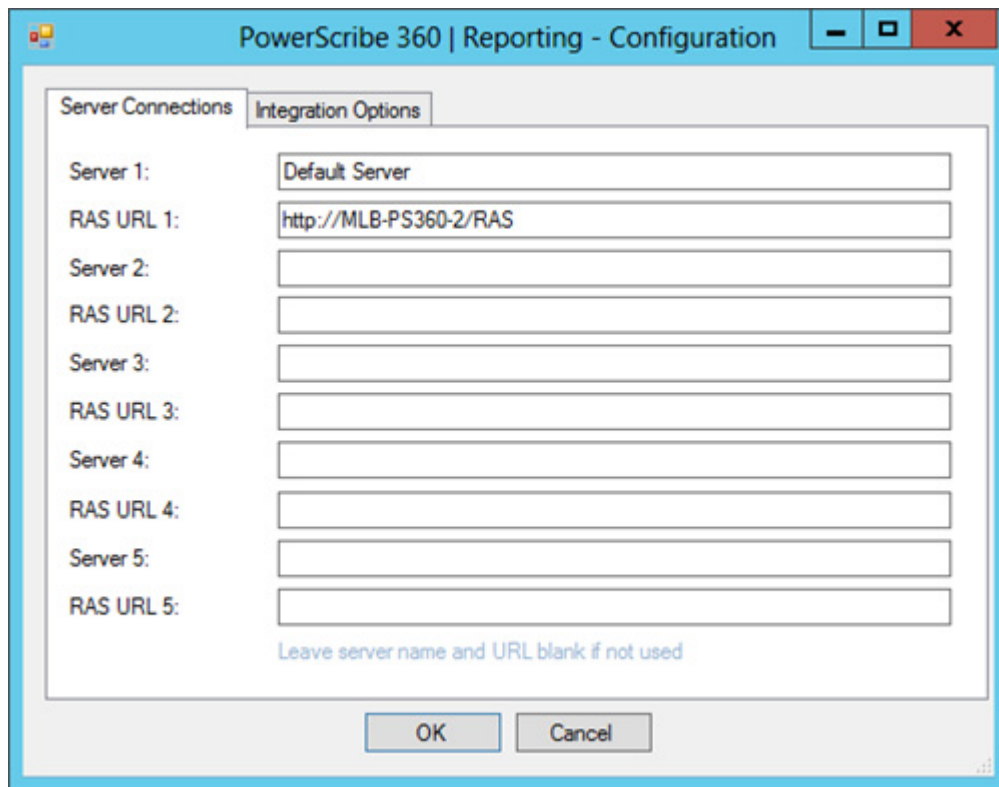
If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

7. Verify the RAS server site URL setting. If installing to a cluster, you must change the server name to the virtual cluster name.
8. Click **Generate**.

The Publication dialog displays.



9. Click **Edit User Configuration**.



Confirm that the **actual server name** is entered in place of localhost.

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

10. Click on the **Integration Options** tab.

PowerScribe 360 | Reporting - Configuration

Server Connections Integration Options

Remoting Port: 9090

Remoting Host:

Launch Location: http://MLB-PS360-35/PS360ReportingClient/Client/Nuar

Encryption Key:

☐ Minimize After Logout

OK Cancel

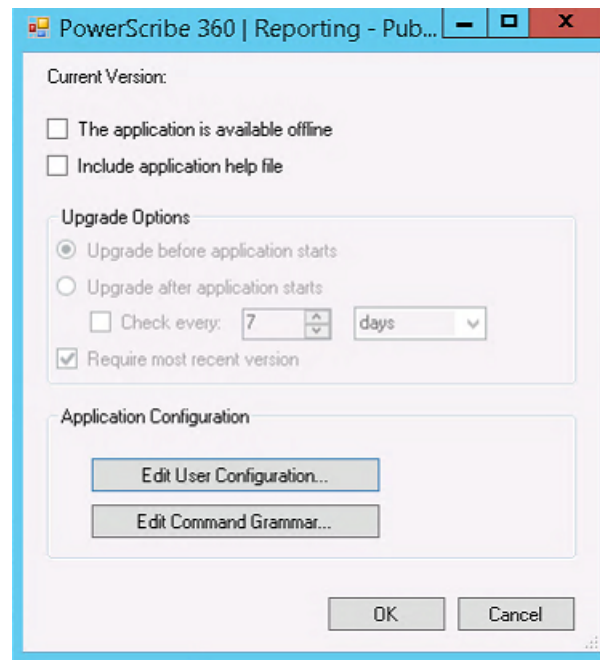
Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

11. Enter or verify that the port is 9090 and click **OK**.

The Publication dialog displays.

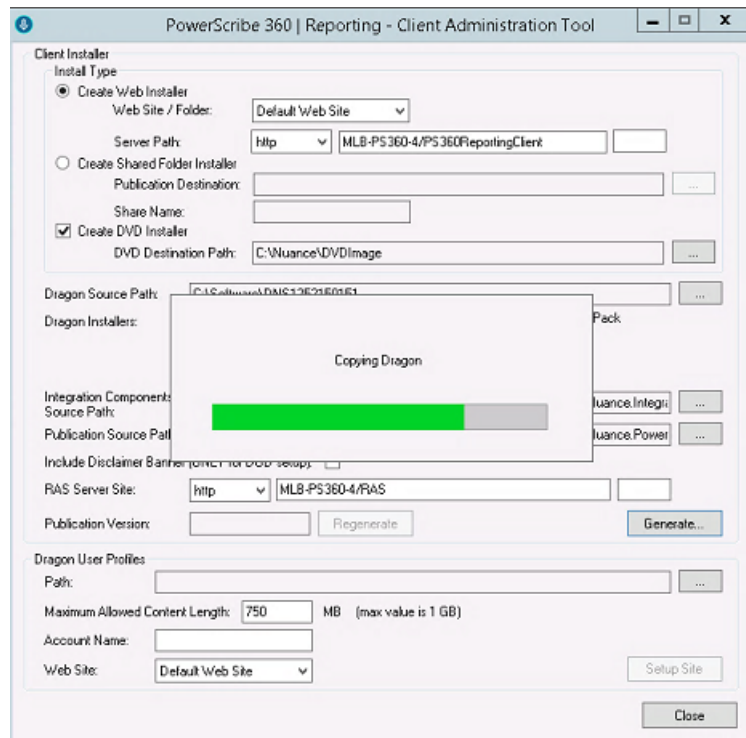


12. Click **OK** to generate the publication. Wait while the publication is generated. You are returned to the Client Administration Tool dialog.

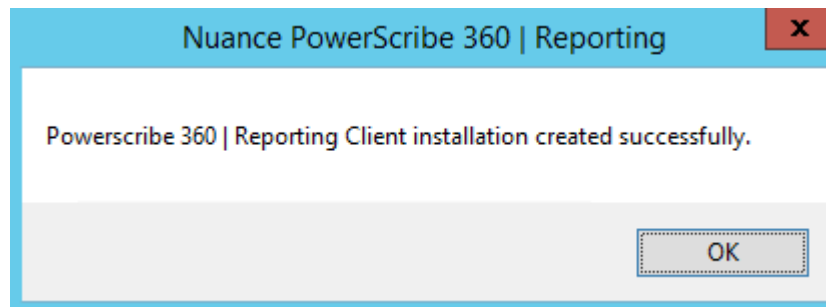


If you get the error message running Mage.exe:2, you may need to update the intermediate certificates (Intermediate Server Certificates.zip) on the server. The certificates are available on the DML

After the generation of the publication, you will note that the Publication Version now appears.



The PowerScribe 360 Reporting Client successful install dialog displays.



13. Click **OK**.
14. Click the ellipses next to Path in the DragonUsers Profiles section and set to X:\Nuance\DragonUsers.



If on a cluster, this path must be the same on both nodes.

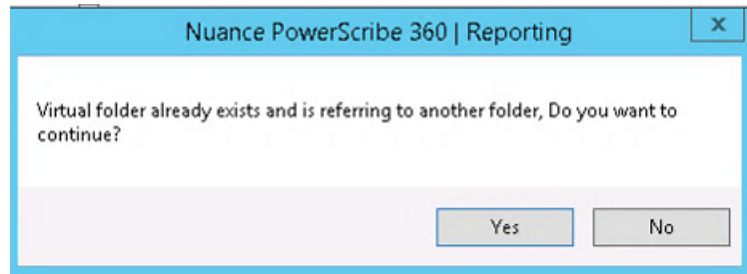
If a DragonUsers folder does not exist, you can use the Make New Folder option to create the folder at X:\Nuance\DragonUsers.

15. Enter the Service Account Name using the format Domain or Server \Account Name.
16. Accept the Default Web Site entry.



If you have already installed the client admin to Node 1 of a cluster and are installing to Node 2 of a cluster, DO NOT perform Step [17](#). Skip to Step [19](#).

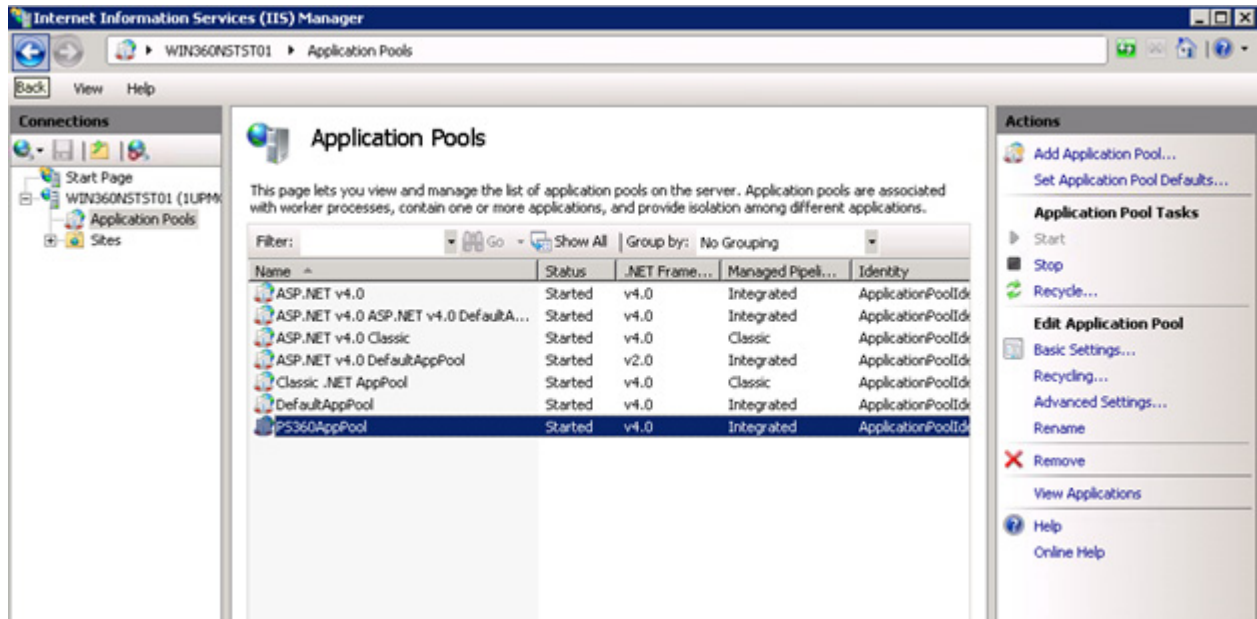
17. Click **Set up Site**.
18. If the following dialog appears, click **Yes**.



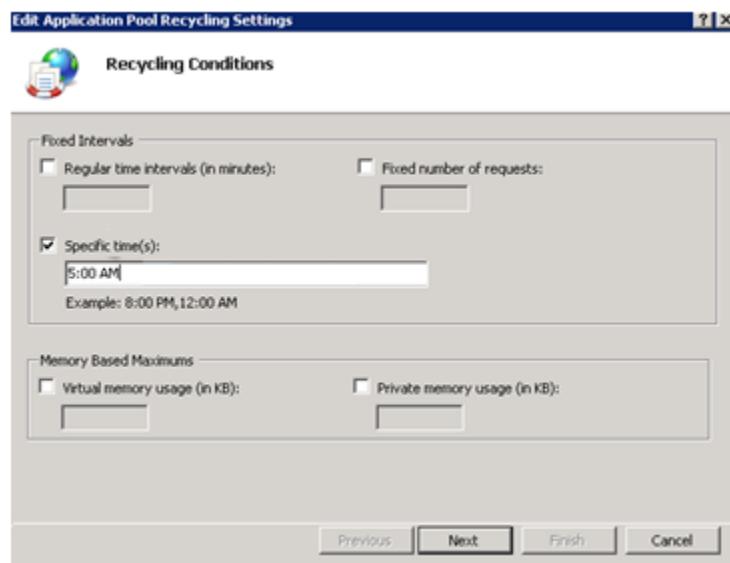
19. Click **OK**.

Configure App Pool Reset

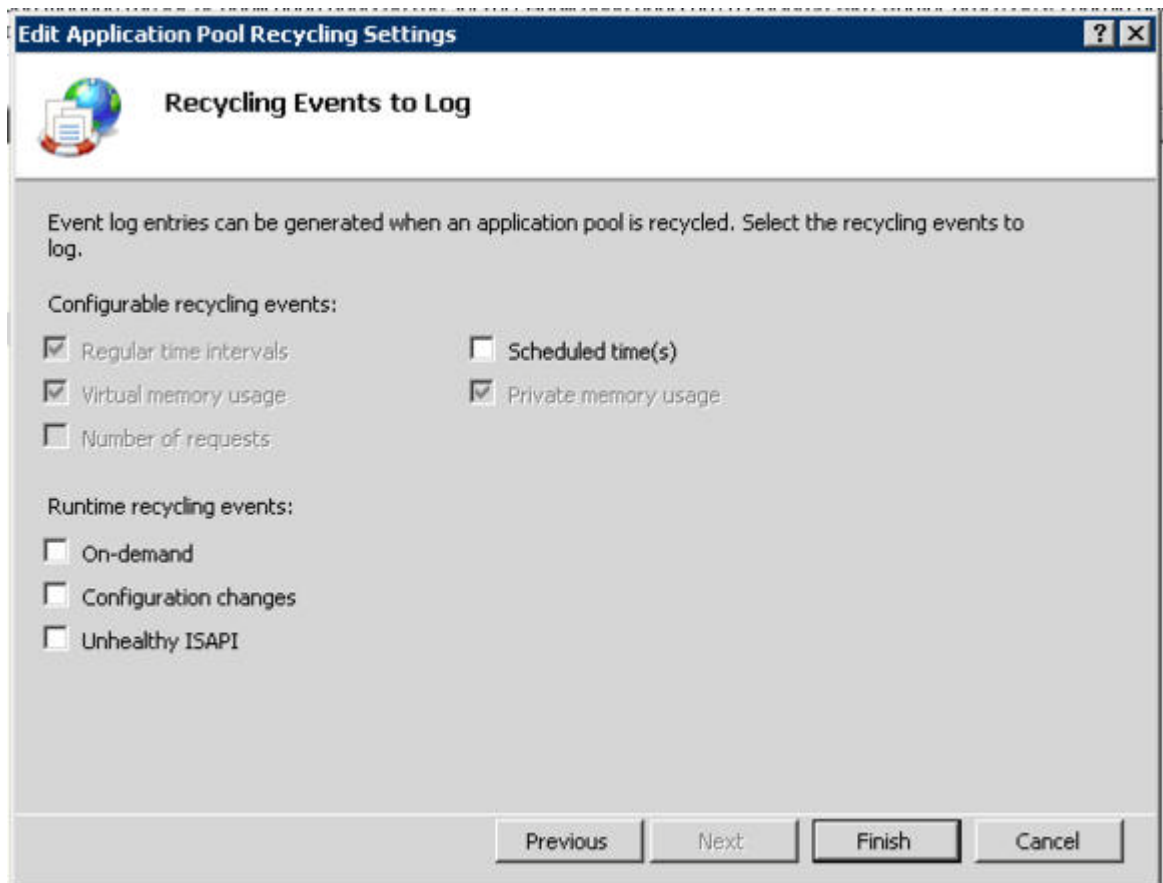
1. Open IIS Manager.



2. Select **Application Pools**.
3. From the Application Pools list, select **PS360AppPool**.
4. From the Actions area, select **Recycling**.
5. On the Recycling Conditions dialog:
 - a. Uncheck **Regular time intervals (in minutes)**.
 - b. Check **Specify time(s)**.
 - c. Enter the time in the Specified time(s) box.



6. Click **Next**.



Edit Application Pool Recycling Settings

Recycling Events to Log

Event log entries can be generated when an application pool is recycled. Select the recycling events to log.

Configurable recycling events:

- ☒ Regular time intervals
- ☒ Virtual memory usage
- ☐ Number of requests
- ☐ Scheduled time(s)
- ☒ Private memory usage

Runtime recycling events:

- ☐ On-demand
- ☐ Configuration changes
- ☐ Unhealthy ISAPI

Previous Next **Finish** Cancel

7. Click **Finish**.

Apply Post Installation Hot Fixes/Patches

Download and apply all available hot fixes and patches for the version you have upgraded.

If site will FAX out of PS360 Downgrade PDF version on Application Server

If the site is using PS360 for faxing (direct from PS360), you will need to uninstall the version of PDF that was installed with the application server (8.1) and down grade / install Nuance PDF v7.1.

This issue only impacts v3.x and is not required for any other version.

System Configuration

Application Configuration

Verify Portal Version

Check the version number in the gray border areas in the lower right to make sure that it is the version of software that you installed/updated. The version number in screen below is only an example.

Nuance PowerScribe® 360 | Reporting v3.5 (build 6.5.19.0) DB Version: 359

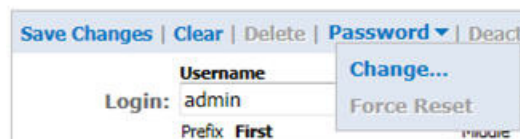
Set Admin Password

1. Consult with the client and/or Project Manager about setting the Admin account password.
2. Log on to the Portal and change the Admin password from the default of commissure to a unique client provided password, and update Salesforce with the Admin password.

Best Practice



- The “*Admin*” password entered should be provided by the customer’s site administrator consistent with the customer’s internal password policies. Nuance recommends the use of strong/complex passwords.
- Passwords should only be communicated over secure encrypted channels and/or stored in secure encrypted locations.



Configure Application Server Settings

1. Go to **Setup/System/Configuration/Application Server**.

Provide the path to the **Audio storage** folder.

- ◆ For non-cluster configurations: **X:\Inuance\wave**
- ◆ For cluster configurations: **\\<FileShareServiceName>\wave**

System Configuration

[Reset to Defaults](#) | [Validate Settings](#) | [Save and Close](#) | [Close Window](#)

Application Server
Web Portal
Bridge Service
Speech Utility
PowerScribe 360 Client
Other Services

Store audio in files: ☒

Audio storage folder: C:\Nuance\Wave

Enable SMTP: ☐

SMTP host:

SMTP port: 25

SMTP username:

SMTP password:

Portal URL: http://
[http://localhost/radportal]

Enable Fax: ☐

Fax server:

Fax drop folder:

[False]

[False]

[25]

[False]

[False]

Text in **green** indicates default values.
Text in **bold** indicates settings whose value has changed from default.

3. Enter the address of the Admin Portal page. Examples:

For non-cluster configurations, enter:

http://<PS360Server>/radportal

For cluster configurations, enter:

http://<PowerScribe360ApplicationClusterName>/RadPortal

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

4. If the system uses the Fax option:



The RAS application must have access to the drop folder.

- a. Check the **Enable Fax** checkbox.
- b. Enter the Fax server name.
Fax Server is typically deployed on the Portal server but can also be installed on a separate server for sites that require it.
- c. Enter the Fax drop folder path. For example,
X:\Nuance\PS360_outgoingfax.

Configure Web Portal Settings

1. Click the **Web Portal** tab.

System Configuration Reset to Defaults | Validate Settings | Save and Close | Close Window

Application Server | **Web Portal** | Bridge Service | Speech Utility | PowerScribe 360 Client | Other Services

Portal Dragon user directory: C:\Nuance\DragonUsers []

Bridge Service name: Nuance RadBridge [Nuance RadBridge]

Bridge server: []

Dashboard refresh rate: 30 seconds [30 seconds]

Maximum search records: 3000 [3000]

Printable document format: PDF [PDF]

Enable extended multi select: ☒ [False]

Enable use by radiologists: ☒ [True]

Enable use by physicians: ☒ [True]

Text in green indicates default values.
Text in bold indicates settings whose value has changed from default.

2. Enter the Portal Dragon user directory (i.e., the DragonUsers directory).
 - ♦ For non-cluster configurations: **X:\Nuance\DragonUsers**
 - ♦ **For cluster configurations:**
\\<FileShareServiceName>\DragonUsers
3. Choose the Printable document format used at this site (PDF or Word).
4. Leave the Bridge Service name **Nuance RadBridge**.
5. Bridge server entry:
 - ♦ Non-cluster configurations: Leave the entry blank.
 - ♦ Cluster configurations: Enter the **RadBridgeServiceName** (i.e., RadBridgeSVC).

Configure Bridge Service Settings

1. Select the **Bridge Service** tab in the **System Configuration** dialog box.

The screenshot shows the 'System Configuration' dialog box for Nuance PowerScribe 360. The 'Bridge Service' tab is selected. The dialog has a title bar with the text 'Nuance PowerScribe® 360 | Reporting: System Configuration - Nuance PowerScribe® 360 | Reporting: Sign-In'. Below the title bar are buttons for 'Reset to Defaults', 'Validate Settings', 'Save and Close', and 'Close Window'. The 'Bridge Service' tab is active, showing various settings. The 'Bridge global log folder' is highlighted with a red box and contains the text 'C:\Nuance\BridgeLogs'. Other settings include checkboxes for 'Enable LEXIMER processing' and 'Enable Bridge logging to database', and dropdown menus for 'Enable mobile notifications' and various 'Days to keep' settings. A legend at the bottom indicates that green text indicates default values and bold text indicates settings whose value has changed from default.

Setting	Value	Default
Enable LEXIMER processing:	<input type="checkbox"/>	[False]
Enable mobile notifications:	Disabled	[Disabled]
Enable Bridge logging to database:	<input type="checkbox"/>	[False]
Bridge global log folder:	C:\Nuance\BridgeLogs	
Days to keep account audit events:	1 year	[1 year]
Days to keep account speech action logs:	2 months	[2 months]
Days to keep bridge audit events:	1 year	[1 year]
Days to keep bridge event logs:	2 months	[2 months]
Days to keep final report audio:	7 days	[7 days]
Days to keep content audit:	7 days	[7 days]
Days to keep order audit events:	1 year	[1 year]
Days to keep report audit events:	1 year	[1 year]
Days to keep order and report attachments:	6 months	[6 months]
Days to keep patient attachments:	1 year	[1 year]
Days to keep order and report audio notes:	6 months	[6 months]
Days to keep patient audio notes:	1 year	[1 year]
Days to keep exception logs:	3 months	[3 months]
Days to keep administrative audit events:	Infinitely	[Infinitely]
Days to keep AutoText usage:	1 year	[1 year]
Days to keep DICOM SR:	3 months	[3 months]
Days to keep Quality Check results:	Infinitely	[Infinitely]

Text in **green** indicates default values.
Text in **bold** indicates settings whose value has changed from default.

2. Bridge global log folder: Enter the Bridge log path, (X:\Nuance\BridgeLogs) where **X** is the Data Drive.



On a cluster configuration, this will be the drive letter assigned to the RadBridge Cluster Service.

3. Consult with the Customer to determine the Days settings on this screen.
4. Click **Save** and **Close**.

Configure PowerScribe 360 Client Settings

1. Go to **Setup/System/Configuration/PowerScribe 360 Client**.

The screenshot shows the 'System Configuration' window for Nuance PowerScribe 360. The 'PowerScribe 360 Client' tab is selected. The window contains several configuration fields with their current values and default values in brackets. The fields are: 'Dragon user directory' (http://mlb-ps360-35/DragonUsers), 'Dragon share username' (ServerName\PSService), 'Dragon share password' (masked with dots), 'Dragon minimum compute speed' (50%), 'Dragon maximum compute speed' (70%), 'IRadWhere port' (9090), 'Broadcast IRadWhere events' (checked), and 'Days to keep application logs' (10 days). A legend at the bottom states: 'Text in green indicates default values. Text in bold indicates settings whose value has changed from default.'

Setting	Value	Default
Dragon user directory:	http://mlb-ps360-35/DragonUsers	
Dragon share username:	ServerName\PSService	
Dragon share password:	•••••	
Dragon minimum compute speed:	50%	[50%]
Dragon maximum compute speed:	70%	[70%]
IRadWhere port:	9090	[0]
Broadcast IRadWhere events:	<input checked="" type="checkbox"/>	[False]
Days to keep application logs:	10 days	[7 days]

2. **Non-cluster Configurations:**

Enter the Dragon user directory, which is the directory used for the PowerScribe 360 Client User Profiles, in the following form, for non-cluster configurations:

http://<SERVER>/DragonUsers

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

3. **Cluster Configurations:**

Enter the Dragon user directory, which is the directory used for the PowerScribe 360 Client User Profiles, in the following form. for Cluster configurations:

http://<FileShareServiceName>/DragonUsers

Best Practice

If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

4. Enter the Windows Service Account Name and Password.
5. For IRadWhere port, enter **9090** if not already set.
6. Check **Broadcast IRadWhere events**.

Configure Other Services Settings

1. Select the **Other Services** tab in the **System Configuration** dialog.

The screenshot shows the 'System Configuration' dialog for Nuance PowerScribe 360, specifically the 'Other Services' tab. The dialog has a title bar with the text 'Nuance PowerScribe® 360 | Reporting: System Configuration - Nuance PowerScribe® 360 | Reporting: Sign-In' and standard window controls. Below the title bar is a tabbed interface with tabs for 'Application Server', 'Web Portal', 'Bridge Service', 'Speech Utility', 'PowerScribe 360 Client', and 'Other Services'. The 'Other Services' tab is selected. The main area contains various configuration fields for different services. Fields are color-coded: green for default values and bold for values that have changed from default. A legend at the bottom left explains this: 'Text in green indicates default values. Text in bold indicates settings whose value has changed from default.' On the right side of the form, there are checkboxes and labels for some settings, such as '[ExplicitHost]' and '[1 month]'. The fields include URLs for Reporting Services, Critical Results Service, eRADPEER, Quality Check, PowerShare, and Log Collector, as well as usernames, passwords, and file patterns.

System Configuration Reset to Defaults | Validate Settings | Save and Close | Close Window

Application Server | Web Portal | Bridge Service | Speech Utility | PowerScribe 360 Client | **Other Services**

Reporting Services URL:

Reporting Services username:

Reporting Services password:

Reporting Services domain:

Critical Results Service URL:

Critical Results Dashboard URL:

eRADPEER Service URL:

Quality Check Service URL:

Quality Check License ID:

Quality Check Connection Type: [ExplicitHost]

PowerShare Service URL:

PowerShare Web URL:

PowerShare Widget URL:

PowerShare CG Service URL:

PowerShare CG Web URL:

Log Collector URL:

Log Collector username:

Log Collector password:

Log Collector file patterns:

Log Collector archive days: [1 month]

Montage Patient URL:

Montage Search URL:

Montage Security Key:

STATdx Vendor ID:

STATdx Group ID:

Text in green indicates default values.
Text in bold indicates settings whose value has changed from default.

2. Change **localhost** in the default for the Reporting Services to the SQL Server name.

Best Practice



- ♦ For Cluster configuration, use the Virtual SQL Cluster name.
- ♦ For SSL sites, use the FQDN.
- ♦ Change the Protocol to HTTPS.



If SQL 2012 is used, change the Reporting Services URL file from the default reportservice2010.asmx file to reportservice2005.asmx from the Portal.

3. Enter the:
 - a. Windows Service account Name and Password.
 - b. Server machine name in the Reporting Services domain file.
4. Change **localhost** in the default for the Log Collector URL to the Application Server name.

Best Practice



If an SSL certificate is installed on the server / system, set the connection type to HTTPS.

Nuance PowerScribe® 360 | Reporting: System Configuration - Internet Explorer

eRADPEER Service URL: [https://ps360criticalresults.com/Powerscribe360/RadiologistDashboard.aspx?RadID={0}]
https://radpeer.acr.org/webService/
[https://radpeer.acr.org/webService/]

CLU Service URL:

CLU Connection Type: ExplicitHost [ExplicitHost]

PowerShare Service URL: https://api.seemyradiology.com/services/rest
[https://api.seemyradiology.com/services/rest]

PowerShare Web URL: https://www1.nuancepowershare.com/smr/login
[https://www1.nuancepowershare.com/smr/login]

PowerShare Widget URL: https://widgets.seemyradiology.com/rest
[https://widgets.seemyradiology.com/rest]

PowerShare CG Service URL: https://ps360.nuancepowershare.com/ContentRepository
[https://ps360.nuancepowershare.com/ContentRepository]

PowerShare CG Web URL: https://ps360.nuancepowershare.com/ClinicalGuidance
[https://ps360.nuancepowershare.com/ClinicalGuidance]

Log Collector URL: http://mlb-nico-4/PS360FileUploaderService
[http://localhost/PS360FileUploaderService]

Log Collector file patterns: %appdata%\Nuance\Dragon SDK Client Edition12\Dragon*.*;%localappdata%\Nuance\PowerScribe
[%appdata%\Nuance\Dragon SDK Client Edition12\Dragon*.*;%localappdata%\Nuance\PowerScribe360
\Logs*.*]

Log Collector archive days: 1 month [1 month]

Montage Patient URL:

Montage Search URL:

Insights URL:

Text in **green** indicates default values.
Text in **bold** indicates settings whose value has changed from default.

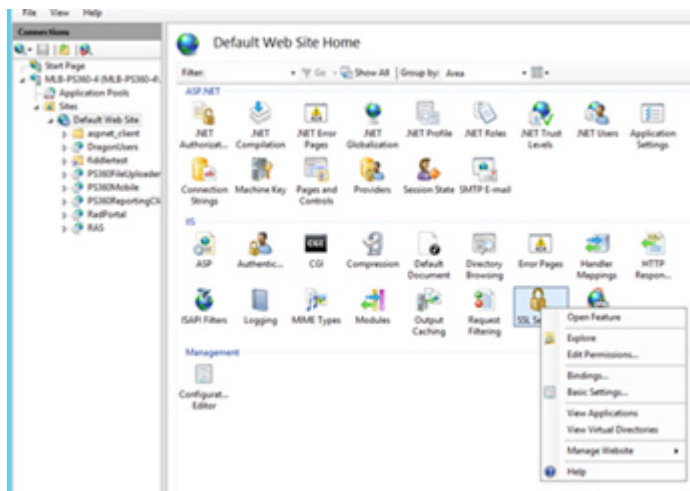
5. Click **Save** and **Close**.

Best Practice

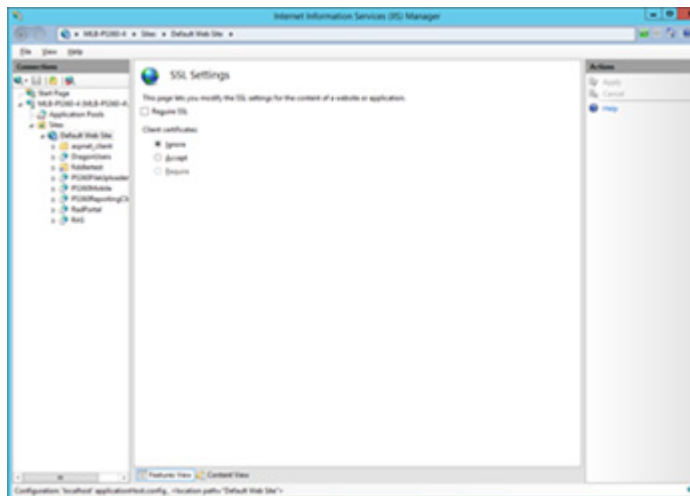


In IIS, enforce SSL.

1. Log into the IIS Manager.



2. Select **Default Web Site**.
3. Right click **SSL**.
4. Choose **Open Feature**.



5. Check the box to “Enforce SSL”.
6. Click Apply
7. Close the IIS Manager

Report Server URL/User Configuration

To make reports run on Portal, you must add the Report Services Server name to SQL Server Reporting Services.

Nuance PowerScribe® 360 | Reporting: System Configuration - Internet Explorer

[https://ps360criticalresults.com/Powerscribe360/RadiologistDashboard.aspx?RadID={0}]

eRADPEER Service URL: [https://radpeer.acr.org/webservice/]
[https://radpeer.acr.org/webservice/]

CLU Service URL: []

CLU Connection Type: [ExplicitHost] [ExplicitHost]

PowerShare Service URL: [https://api.seemyradiology.com/services/rest]
[https://api.seemyradiology.com/services/rest]

PowerShare Web URL: [https://www1.nuancepowershare.com/smr/login]
[https://www1.nuancepowershare.com/smr/login]

PowerShare Widget URL: [https://widgets.seemyradiology.com/rest]
[https://widgets.seemyradiology.com/rest]

PowerShare CG Service URL: [https://ps360.nuancepowershare.com/ContentRepository]
[https://ps360.nuancepowershare.com/ContentRepository]

PowerShare CG Web URL: [https://ps360.nuancepowershare.com/ClinicalGuidance]
[https://ps360.nuancepowershare.com/ClinicalGuidance]

Log Collector URL: [http://mlb-nico-4/PS360FileUploaderService] x
[http://localhost/PS360FileUploaderService]

Log Collector file patterns: [%appdata%\Nuance\Dragon SDK Client Edition12\Dragon*.*;%localappdata%\Nuance\PowerScribe
[%appdata%\Nuance\Dragon SDK Client Edition12\Dragon*.*;%localappdata%\Nuance\PowerScribe360
\Logs*.*)]

Log Collector archive days: [1 month] [1 month]

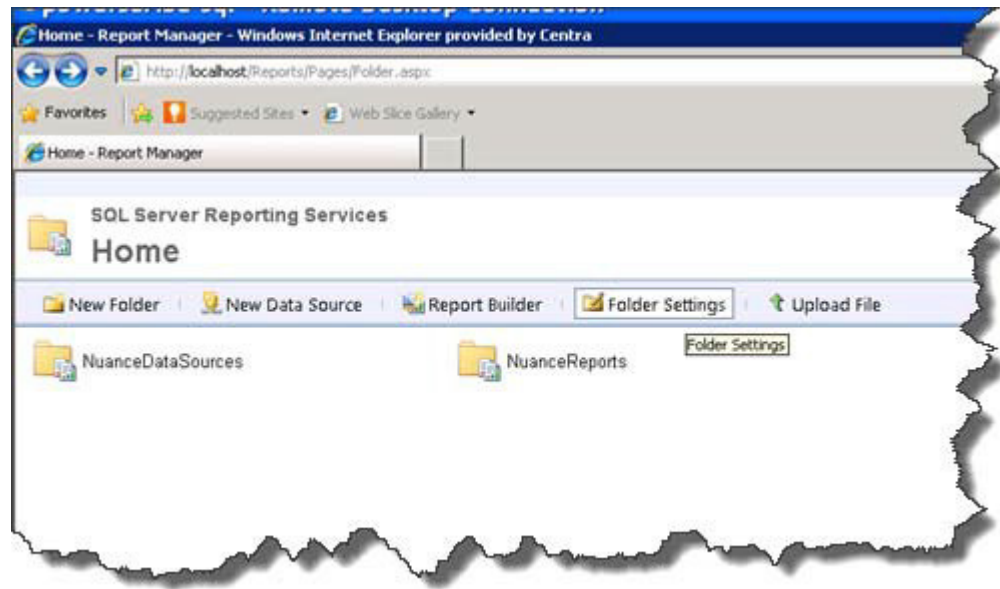
Montage Patient URL: []

Montage Search URL: []

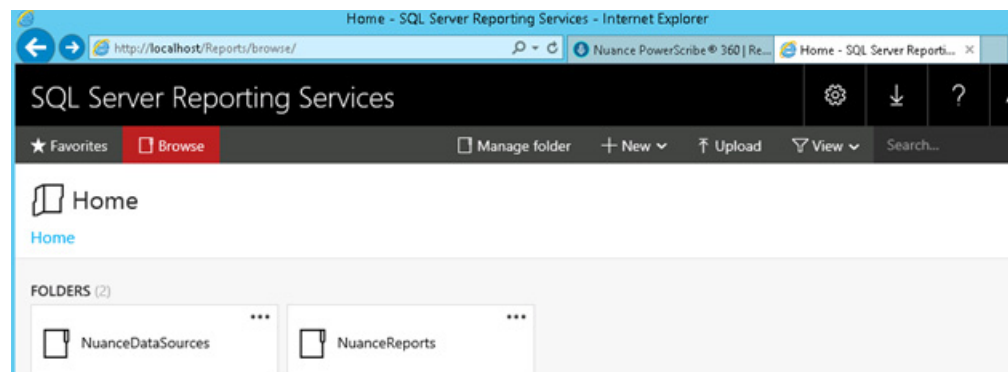
Insights URL: []

Text in green indicates default values.
Text in bold indicates settings whose value has changed from default.

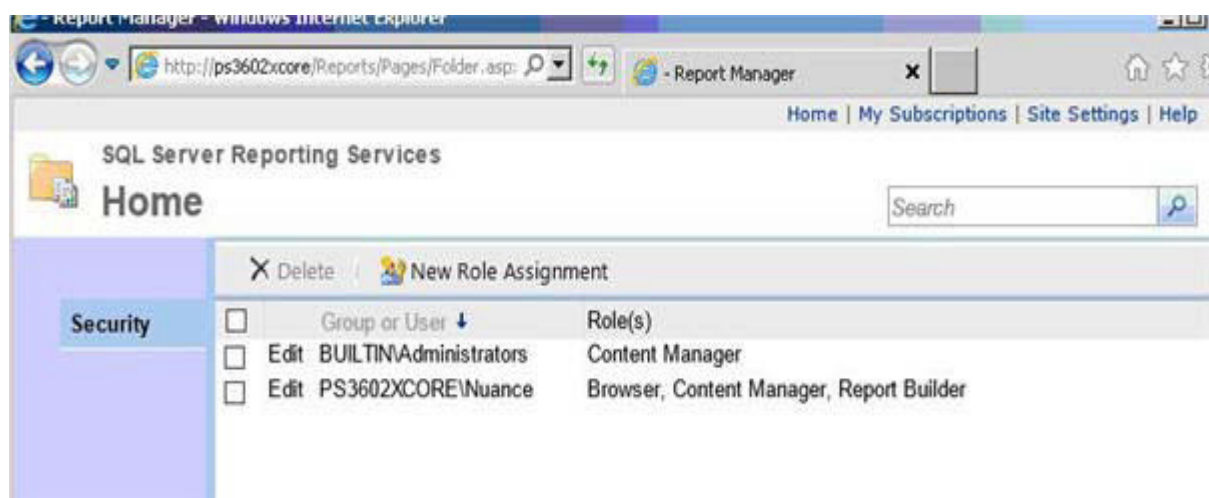
1. To add the user, go to **http(s)://<SQL Server>Reports**.
2. Click **Folder Settings**.



3. For SQL Server 2016, click **Manage Folders**.

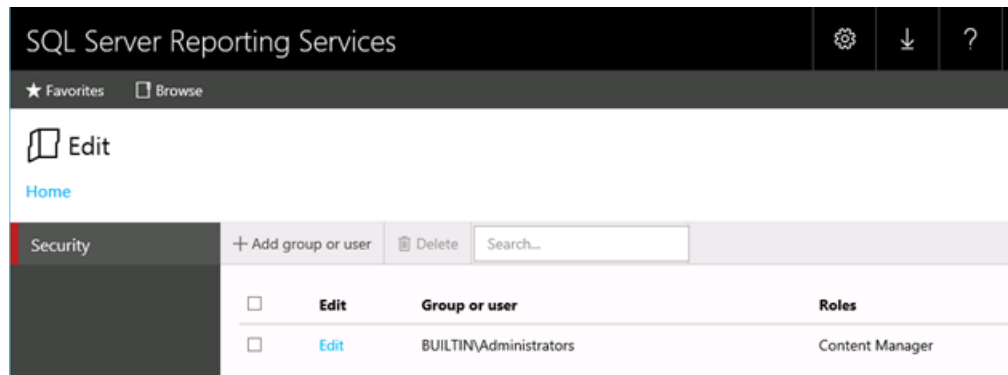


4. Click **New Role Assignment**.





For SQL 2016, click Add group or user.



5. In **Group or user name** field, enter the Reporting Services account name.
6. Check the following roles:
 - ♦ Browser
 - ♦ Content Manager
 - ♦ Report Builder
7. Click **OK**.

Client Installation



When the clients are Windows 7 and the server is Windows 2016, in rare instances the Dragon client may not connect to the server due to a protocol issue. This can occur when the dragon client tries to use the SSL2 protocol, which was depreciated in windows 2016.

When installing a client, if it does not connect properly, you may need to perform the following:

- a. Please note the current publication version as you will need this during publication of the updated client
- b. Go to the Nuance.PowerScribe360.exe.config file
(Step_03_PowerScribe360_7.0.111.5.US\Nuance.PowerScribe360.publish\Appl
cation
Files\Nuance.PowerScribe360_7_0_111_5\Nuance.PowerScribe360.exe.conf
ig)
- c. Uncomment the

```
<!--<add key="Commissure.dgnhttpsprotTls1_2" value="1"/>-->
```

 line to display as the entry below.

```
<!-- Uncomment the desire protocols to override the Dragon Network protocol setting -->
```

```
<!--<add key="Commissure.dgnhttpsprotTls1" value="1"/>-->
```

```

<!--<add key="Commissure.dgnhttpsprotSsl3" value="1"/>-->
<!--<add key="Commissure.dgnhttpsprotSsl2" value="1"/>-->
<!--<add key="Commissure.dgnhttpsprotPct1" value="1"/>-->
<!-- DNS Service Pack 1 -->
<!--<add key="Commissure.dgnhttpsprotTls1_1" value="1"/>-->
<add key="Commissure.dgnhttpsprotTls1_2" value="1"/>

```

- d. Republish the client. Please increment the Publication version by 1 as noted in previous step where you noted the current publication version.
- e. Update the client and log in.

Here is a sample Dragon.log showing the bad handshake

```

Roaming User WebDavSSL: FireConnected event Status code = 276, error during handshake[2]: 0x80090308
14:03:57.794
Roaming: ERROR - connectivityCheck call failed: location=https://ps360test.univrad.com/DragonUsers\, Error =276,
Server return = 276 error during handshake[2]: 0x80090308

14:03:57.795
(E:\work\1250relps360\natsdk\activex\ctlutil.cpp,1329) : pInterfaces->pIDgnSRAcoustic()->Enum() returned unexpected
value DGNERR_ROAMING_BAD_SSL_CERTIFICATE (0x80041037) in "Nuance.PowerScribe360.exe" process.
14:03:57.795
14:03:57.797
In ComCallFailed(), LastErrorGet produced no additional information.
14:03:57.797
Exception thrown (E:\work\1250relps360\shared\comcalls.cpp, 132).
14:03:57.797
14:03:57.810
Roaming User WebDavSSL: FireError event Status code = 276, error during handshake[2]: 0x80090308
14:03:57.810
Roaming User WebDavSSL: FireConnected event Status code = 276, error during handshake[2]: 0x80090308
14:03:57.811
Roaming: RoamingInternetCopySOptionsIni can't copy soptions ini file from

```

DO NOT install the client to any servers.

To install the client software, see PN 889795, [PowerScribe 360 Client Application Installation](#).

SUS Installation



IMPORTANT

If you are installing additional SUS nodes, have all SUS nodes on the same subnet as the Primary SUS server. If the SUS nodes are on a different subnet, it will fail to process jobs, if it cannot connect to the primary SUS server.



If you create a remote Profile storage server on a SUS server, all servers must be configured identically and Nuance/DragonUsers must be on the same drive letter (i.e. N:\) on all servers.

Create the Folders

1. On SUS, **create a folder** named **Nuance** on a local drive (e.g., drive **C**) and configure the folder for **Full Control** for the folder permissions *and* the share permissions for the service account you created.

If you wish to use drive D (if available) for storage, substitute D for C in all of the examples in this section.

2. Configure this folder so that all subfolders inherit the same permissions.
3. Under the Nuance folder, create the following folders. Make sure that they have inherited the same folder and share permissions as the Nuance folder.

- **Logs**
- **Jobs**
- **Data**

If this is a remote Profile storage server on the SUS server, also create the following folders:

- ♦ **DragonUsers**
- ♦ **DragonUsersTemp**

Microsoft SQL Server 2014 Express Installation

Important Installation Notes

During the installation:

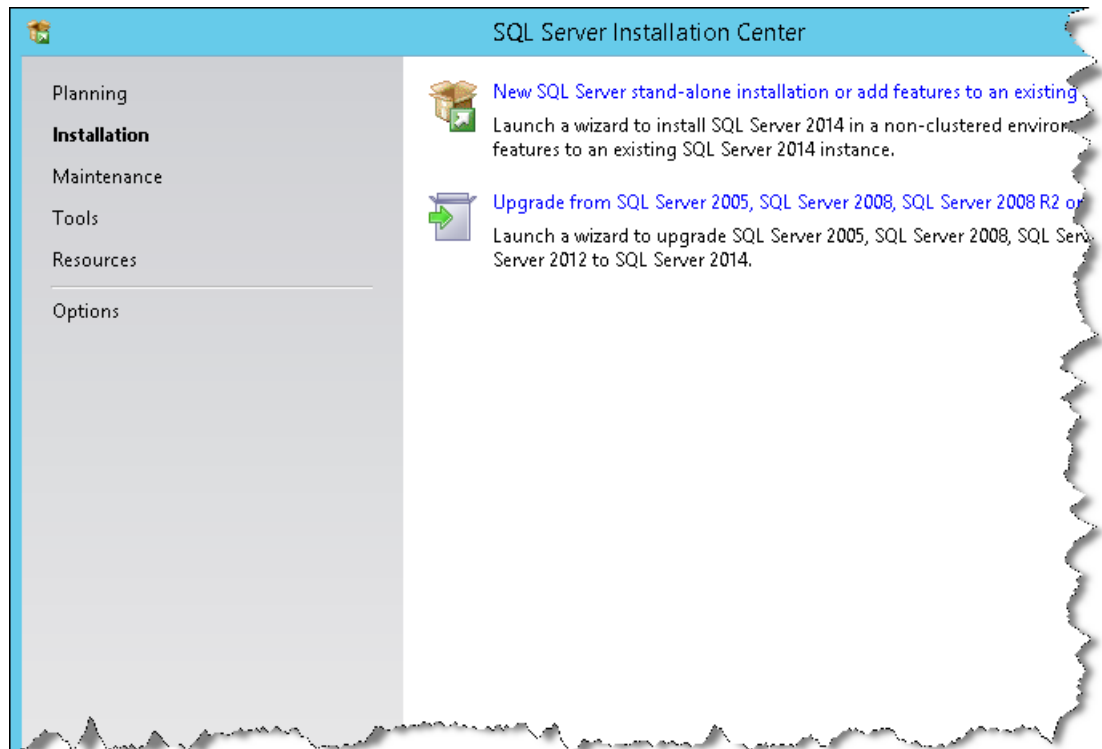
- Install using the **SQL Server 2014 Express with Tools** option so that you download the Management application.
- The installation will download other software applications, such as .NET Framework, PowerShell, and Windows Installer if they do not already exist on the machine. Reboot as required by the installation for these items. You will be returned to the installation process after the reboot.
- Server Configuration:
 - ◆ Accept the instance **.SQLEXPRESS**, which is the default setting for the installer (**do not use default instance**).
 - ◆ Choose the **Mixed Mode (SQL Server authentication and Windows authentication)** option.
- Accounts:
 - ◆ SQL Server Database Engine account: NT Authority\System, Startup Type set to Automatic
 - ◆ Use the same account for all SQL Server services.
 - ◆ Add the Administrators Group to SQL access with **sa** rights.
- Database Engine Configuration - you must install the following options:
 - ◆ Database Engine Services (do not check SQL Server Replication)
 - ◆ Management Tools - Basic

SQL Server Installation Procedure

You may not be presented with all the steps listed below, depending on the third-party Microsoft applications that may already exist on the machine.

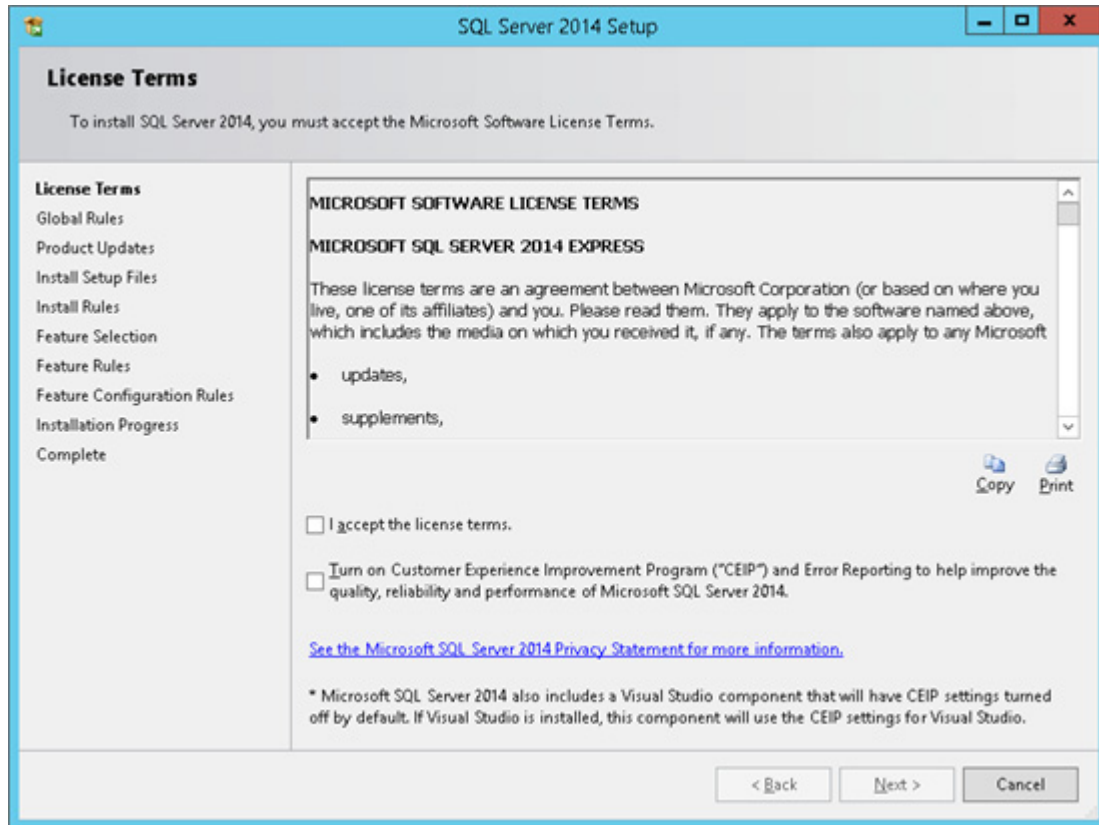
1. When performing the installation, log on to Windows as an Administrator or as a domain user who has local administrative rights. It is easiest if you log on as the same user that will perform any required administrative duties on the SUS Server.
2. You must have Microsoft XML6 on the machine. Run Windows Update to get the latest secure service pack for that application.
3. Allow the installation program to install any prerequisite programs, such as .NET Framework, etc., rebooting as required.
4. Download the Microsoft SQL 2014 Express from Disk 1.

5. Launch the installation program. The SQL Server Installation Center dialog displays.



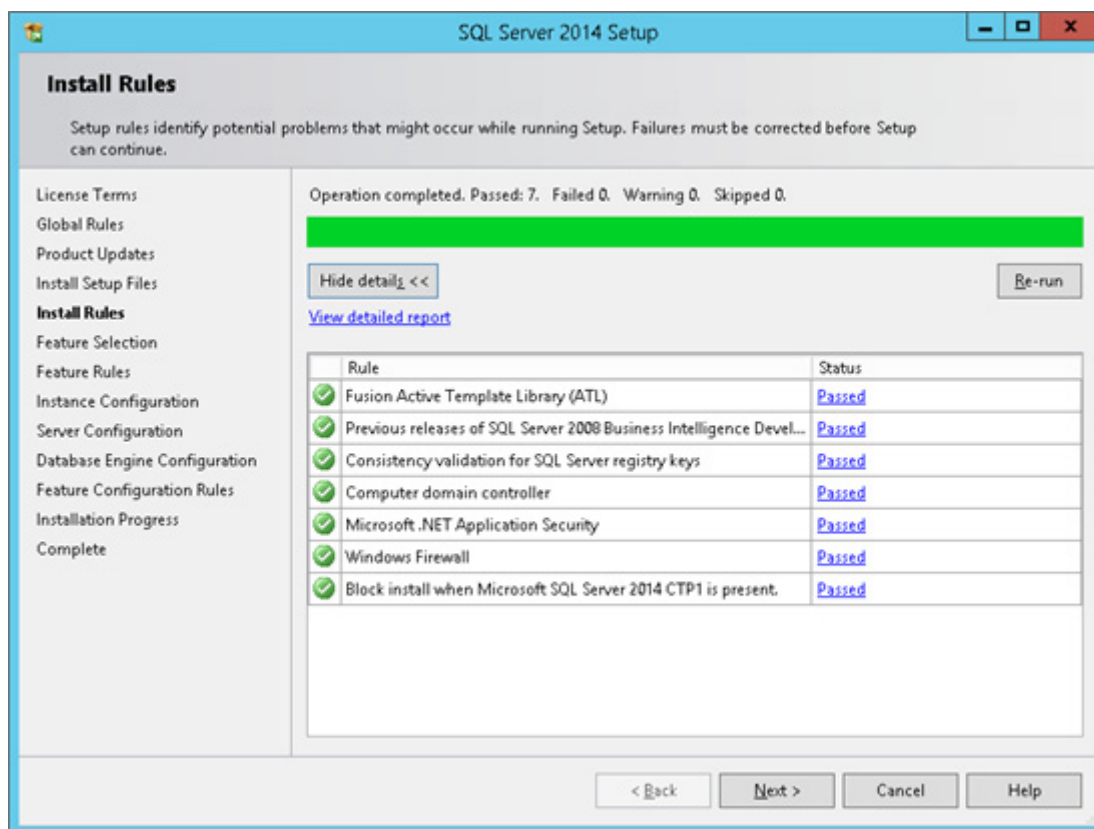
6. Click **New SQL Server stand-alone installation**.

The License Terms dialog displays.



7. Accept the license terms and click **Next**.

The Install Rules dialog displays.

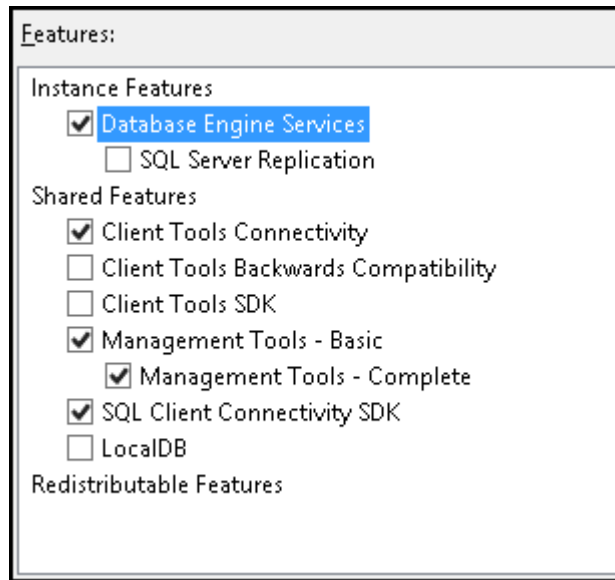


8. Make sure that all operations have a Status of **Passed**. Correct any that failed before proceeding, then click **Next**.



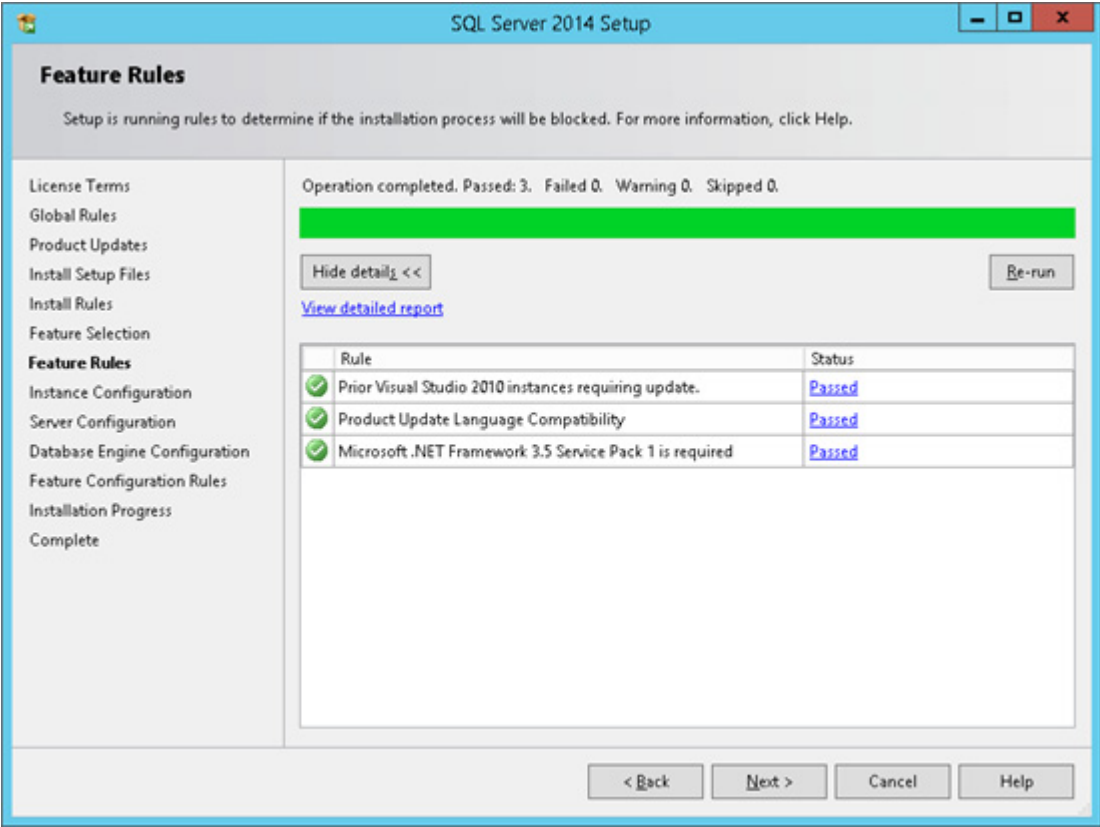
If nothing is needed this screen will be skipped.

The Feature Selection dialog displays the Features.



9. Check the following options:
 - ♦ Database Engine Services
 - ♦ Management Tools - Basic
 - ♦ Management Tools - Complete
 - ♦ SQL Client Connectivity SDK
10. Click **Next**.

The Feature Rules dialog displays.



11. Make sure that all operations are passed, and click Next



If nothing is needed this screen will be skipped.

The Instance Configuration dialog displays.

SQL Server 2014 Setup

Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

License Terms
Global Rules
Product Updates
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Installation Progress
Complete

☐ Default instance
☒ Named instance:

Instance ID:

SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL12.SQLEXPRESS

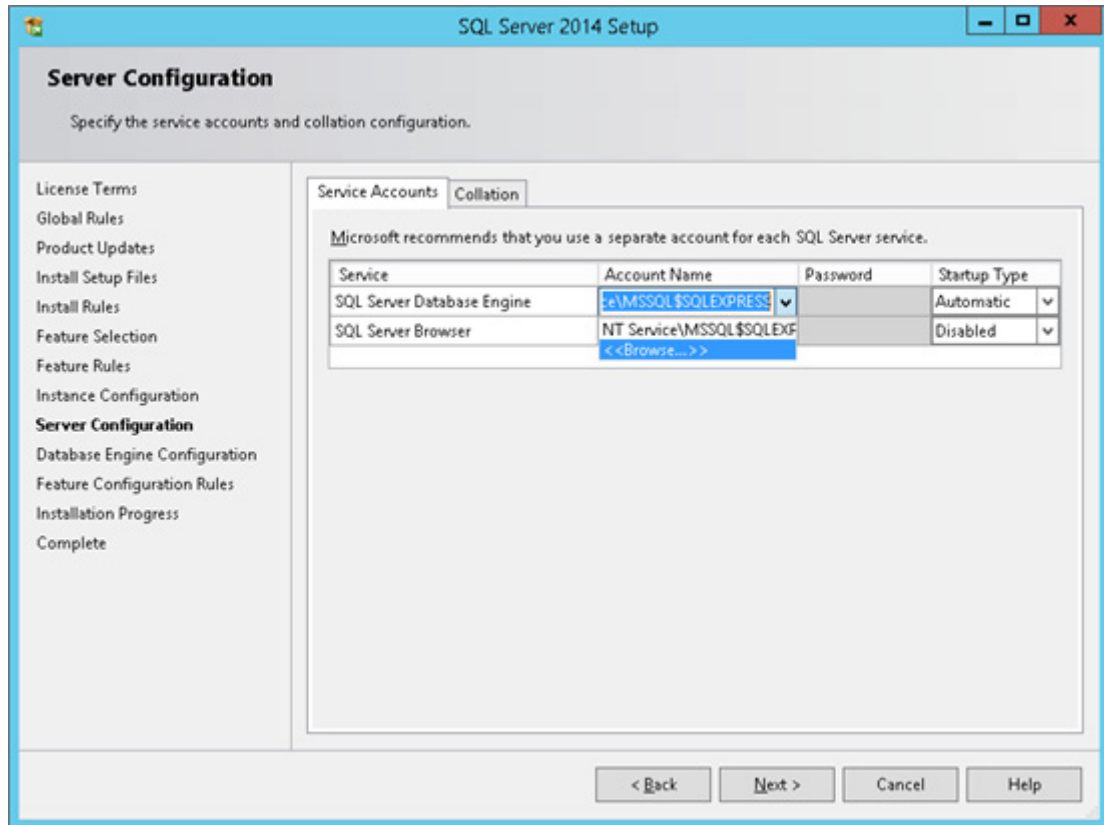
Installed instances:

Instance Name	Instance ID	Features	Edition	Version
---------------	-------------	----------	---------	---------

< Back Next > Cancel Help

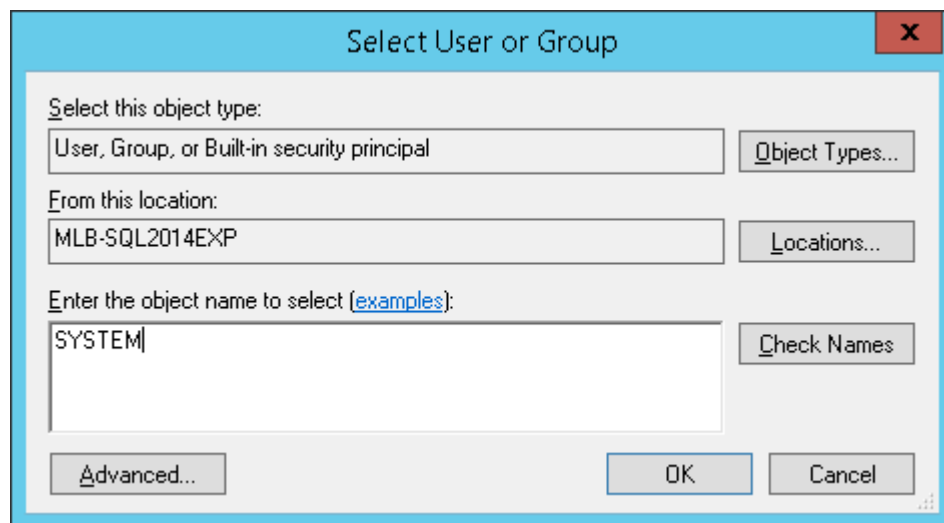
12. Leave Instance name and Instance ID at default of SQLEXPRESS.
13. Click **Next**.

The Server Configuration dialog displays.



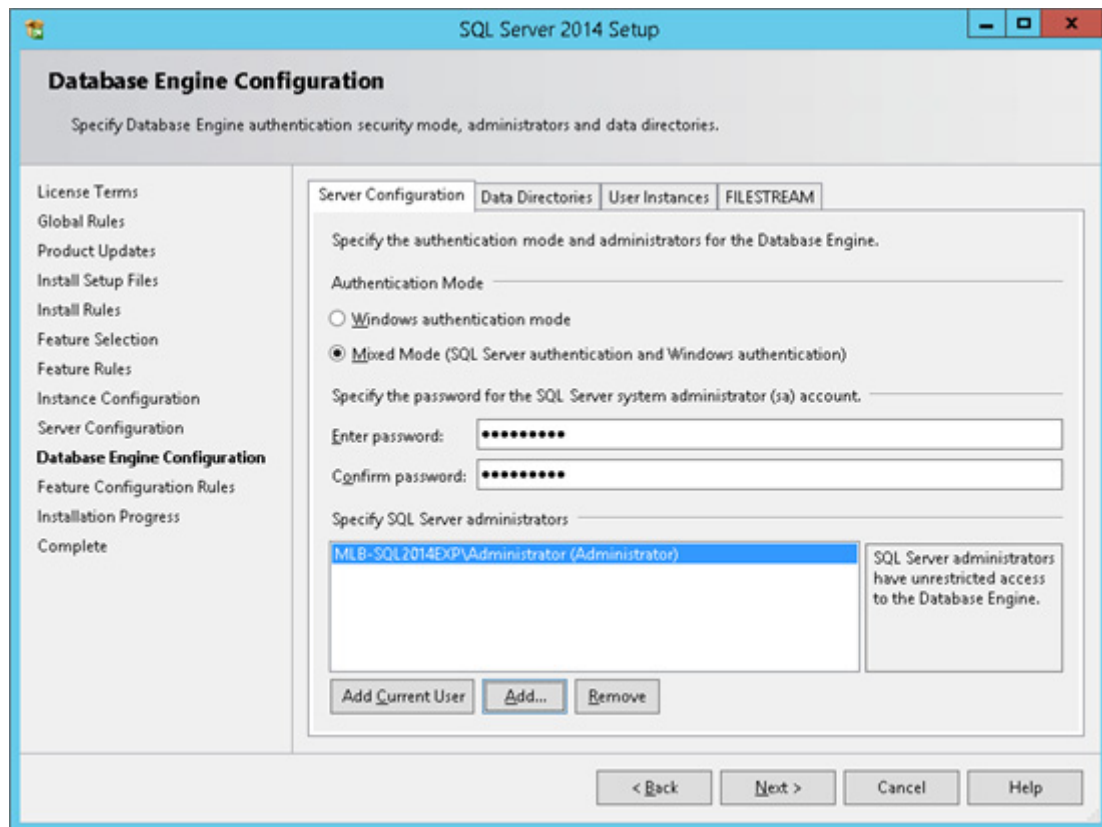
- Click the down arrow in the Account Name field for the SQL Server Database Engine Service, and click **Browse**.

The Select User or Group dialog displays.



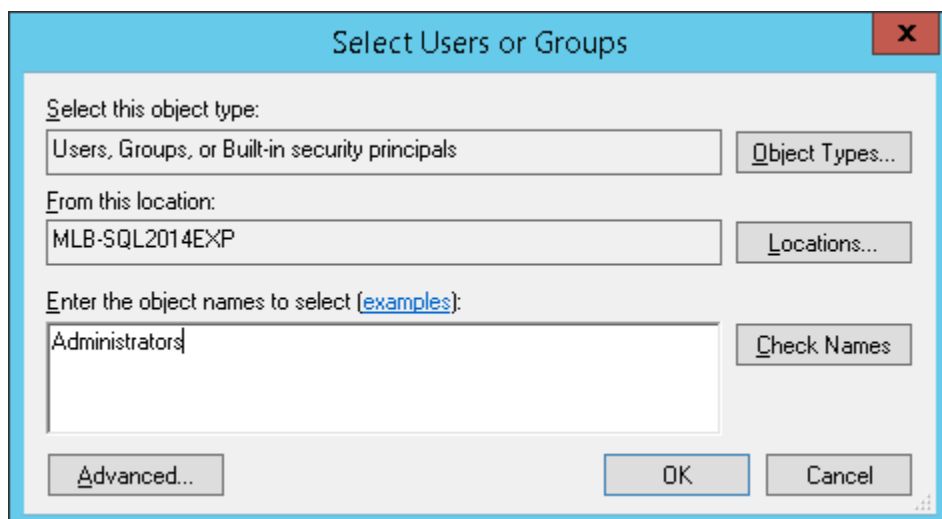
- In the Enter the object name to select box, enter **SYSTEM**, and click **OK**.
- Verify that the Startup Type for SQL Server Database Engine is set to Automatic.
- Click **Next**.

The Database Engine Configuration dialog displays.



18. Make sure that you are on the Account Provisioning tab and Choose the Mixed Mode (SQL Server authentication and Windows authentication) option.
19. Enter the SA password and confirm. Ensure this password is recorded in CRM.
20. The installer will add the current account as an administrator. Click the Add button to add the BuiltIn Administrators.

The Select Users or Groups dialog displays.



The License Terms dialog displays.

21. On the Select Users and Groups dialog box, make sure that the Location is set to the local server, and type **Administrators** in the Object Names box.
22. Click **OK**.

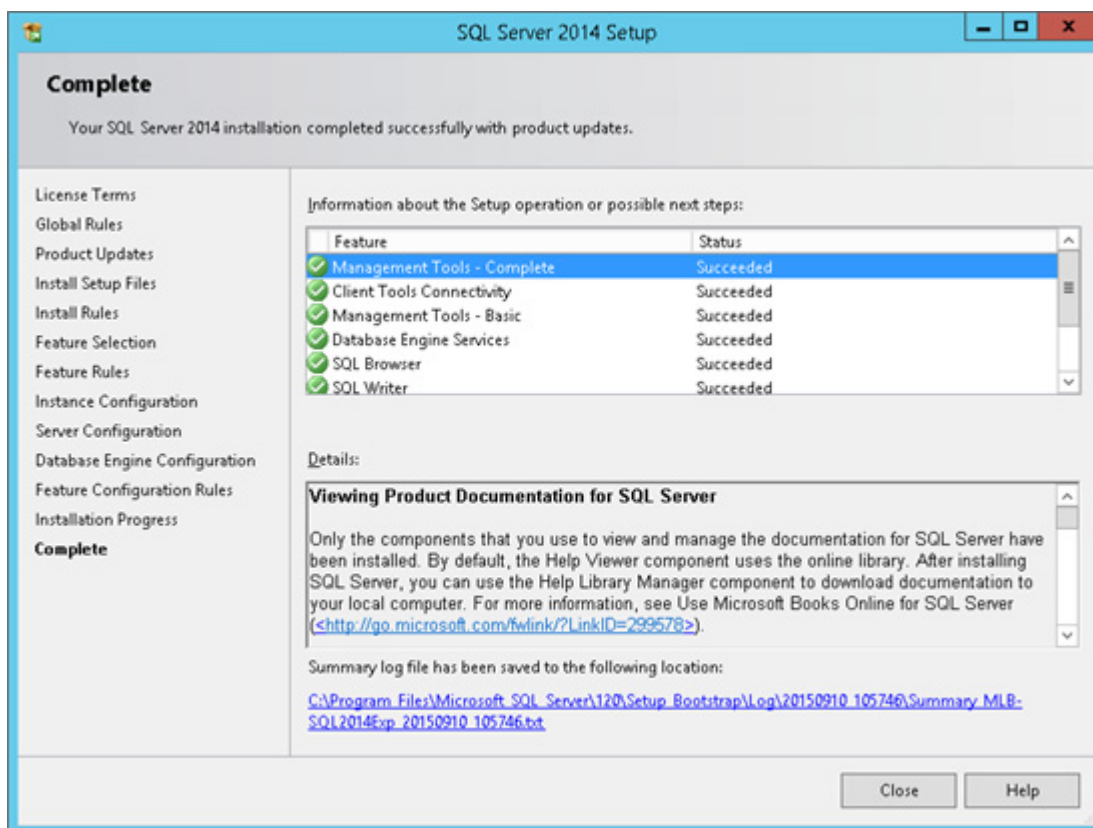
The Database Engine Configuration dialog displays.

23. Verify that the BUILTIN\Administrators shows in the SQL Server administrators, and then click **Next**.



The installation will begin after clicking Next

The Complete dialog displays.



24. Click **Close** to complete installation.

Install Dragon SDK Medical



Before proceeding, verify that all previous versions of Dragon are uninstalled.

This procedure requires the use of the latest Dragon Release. Perform the step on the SUS.

1. Copy the **dsc_med.exe** file to the SUS machine.
2. Double-click the file. The application will automatically extract files to **%temp%\NaturallySpeaking**.
3. Locate the **setup.exe** file in the **%temp%\NaturallySpeaking** folder and double-click it to run it.

The InstallShield Wizard will automatically install any prerequisites required for Dragon Medical SDK.

4. Click **Install**.
5. Click **Next**.

The license agreement displays.

6. Enable the radio button to accept the license.
7. Click **Next**.

The Customer Information dialog displays.

8. Enter the User Name, Organization, and the Serial Number (A709A-HE4-0010-2200-00).
9. Click **Next**.

The Setup Type dialog displays.

10. Enable the **Typical/Complete** radio button.
11. Click **Next**.
12. Click **Install**.

Wait for the installation to complete.

13. Click **Finish**.
14. Reboot the server.

Install SUS

Step 1 - Preparation

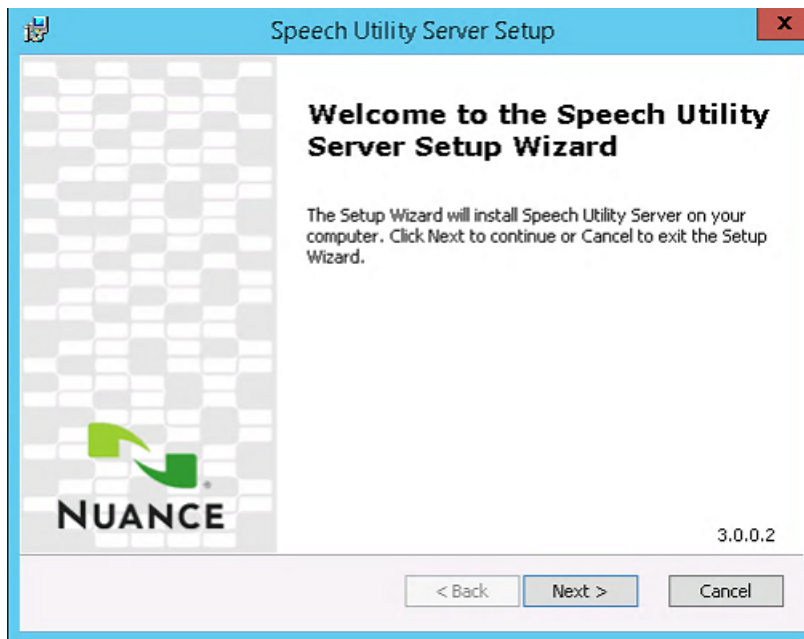
Make sure that you uninstall the PowerScribe 360 Integration Component on the SUS machine before you install the new software.

1. Create a **360_Install** directory under the root of the drive where the Nuance installation files will reside. You will download the new software to this directory.
2. Under the **360_Install**, create a directory named SUS Install.
3. Copy the **x_x_x_x.zip** file to the folder.

Name	Size	Type
setup.exe	391 KB	Application
SUSInstaller.msi	4,052 KB	Windows Installer P...

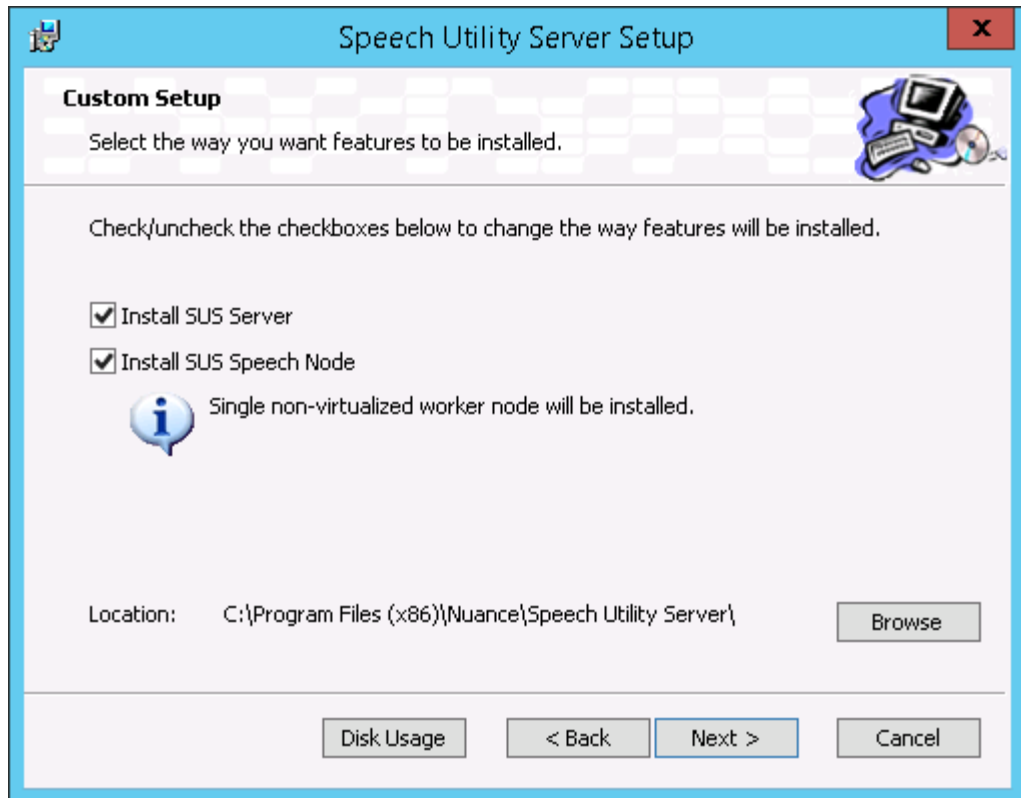
Step 2 - Welcome Window

Navigate to the **setup.exe** and double-click it to start the installation.



Step 3 - Feature Selection Window

1. Click **Next** on the Welcome dialog to display the Custom Setup dialog.



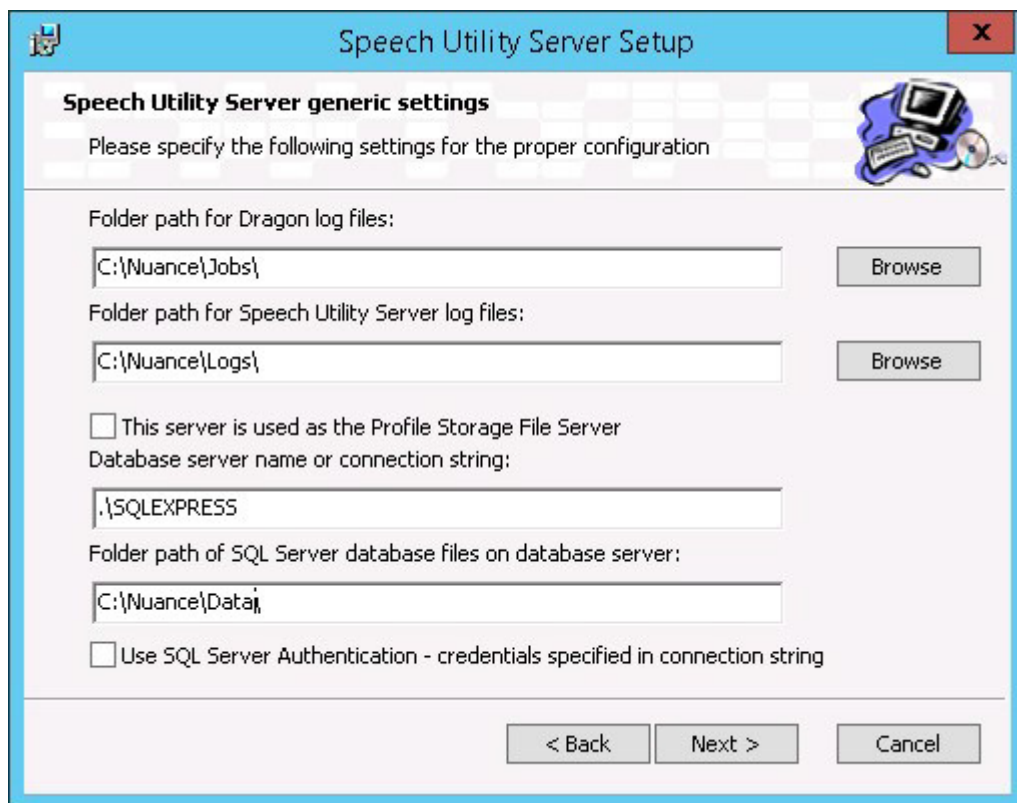
2. If this is the main SUS Server or a Profile Storage SUS server, check both of the following:
 - ♦ **Install SUS Server**
 - ♦ **Install SUS Speech Node**

OR

If this an additional SUS Server, check only the **Install SUS Speech Node** option.
3. Click **Next**.

Step 4 - Server Settings Window

After completing the steps above with the proper selections, click **Next** to continue to reach the dialog below to display the Speech Utility Server Setup dialog. You must enter the destination directories for the logs. The following is an example:



1. Enter/verify the location for the paths to the Dragon log files and SUS log files for this server, using the correct drive letters and folder names.



DECISION

If this is going to be a Profile Server, check This server is used as the Profile Storage file server.

2. Set the database server name or connection string to:

.\SQLEXPRESS



If installing the Spark DB to a full SQL server install, you must use a different connection string. The format for using an SQL server is:

server=xxx;UID=yyy;PWD=zzz

Use a Windows local administrator account ID and password from the SQL server, so the application has rights to create the DB files.

3. Set the Folder path for the SQL database files to **X:\Nuance\Data**.

If using a different server hosting SQL, be sure to specify the proper drive letter on the DB server.

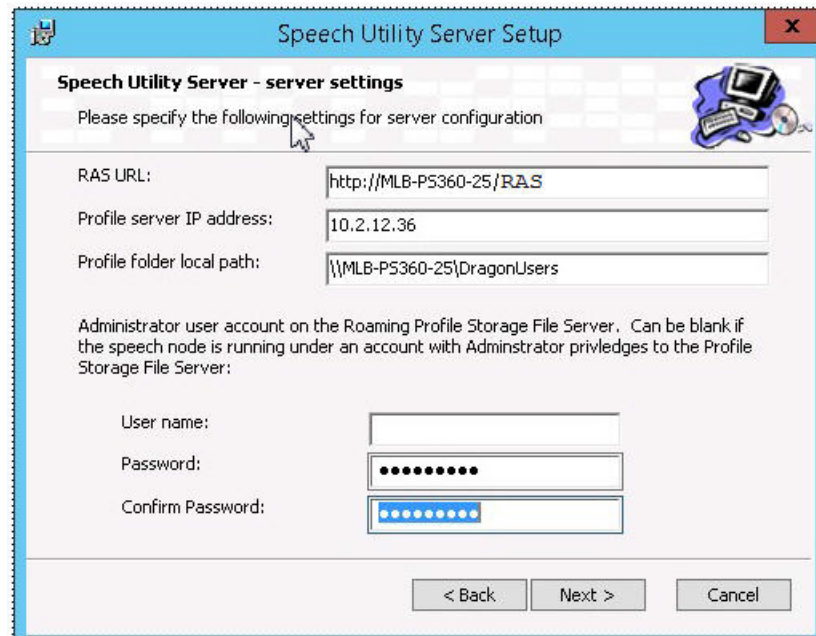
Be sure to check Use SQL Server Authentication - credential specified in connection string.

☐ Use SQL Server Authentication - credentials specified in connection string

4. Click **Next** to continue to reach the following dialog and enter the server settings.

Step 5 - RAS and Profile Storage File Server Settings

The following dialog is only an example.



The screenshot shows a Windows-style dialog box titled "Speech Utility Server Setup". Inside, there's a section titled "Speech Utility Server - server settings" with a sub-instruction: "Please specify the following settings for server configuration". The settings are as follows:

- RAS URL:
- Profile server IP address:
- Profile folder local path:

Below these is a text block: "Administrator user account on the Roaming Profile Storage File Server. Can be blank if the speech node is running under an account with Administrator privileges to the Profile Storage File Server:"

Then there are three input fields:

- User name:
- Password:
- Confirm Password:

At the bottom are three buttons: "< Back", "Next >", and "Cancel".

RAS URL

For non-cluster configurations, use the host name for the Application Server.

For cluster configurations, use the FileShare Service Host Name.

Profile Server IP Address

For non-cluster configurations, this is the IP address of the file server that acts as the Roaming Profile storage and must be specified here. **Do not use the host name.**

For cluster configurations, use the IP address assigned to the FileShare Service Host Name.



If this is a Remote Profile Storage Server, the option will not be shown.

Profile Folder Local Path

This is the location where the user profiles are stored, for example:

- Location on the application server where user profiles are stored
\\<servername>\DragonUsers.



If this is a Remote Profile Storage Server, the option will not be shown.

Administrator Account

Enter Service account name and password as \<Service Account>.

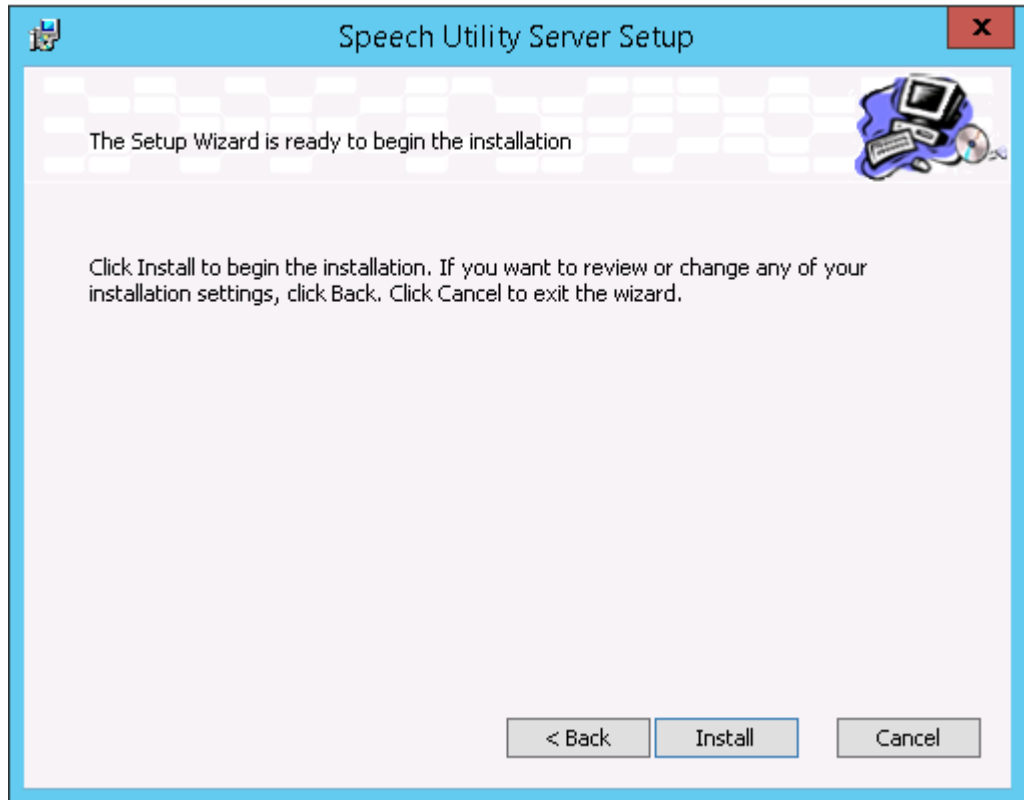
Step 6 - Service Account for SUS

After clicking **Next** in the section above, the following dialog displays.

A screenshot of a Windows-style dialog box titled "Speech Utility Server Setup". The dialog has a blue title bar with a close button (X) in the top right corner. Below the title bar, the text "Speech Utility Server - service account" is displayed. Underneath, it says "Please specify the following settings for server configuration". To the right of this text is a small icon of a computer with a speech bubble. The main area of the dialog contains three labels: "Service account for Speech Utility Server (format: Domain\UserName or .\UserName)", "User name:", "Password:", and "Confirm Password:". Each label is followed by a text input field. The "User name" field is empty. The "Password" field contains ten black dots. The "Confirm Password" field contains ten blue dots. At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel".

5. Enter the Service Account Name in the User name field.
6. Enter the Service Account Password in the Password field.
7. After entering the information, click **Next** to display another dialog for the Speech Node that is nearly the same as the one above.
8. Enter the Service Account in the User name field.
9. Enter the Password in the Password field.

10. Click **Next**.



11. Click **Install**.

After the installation is complete, the following dialog displays.

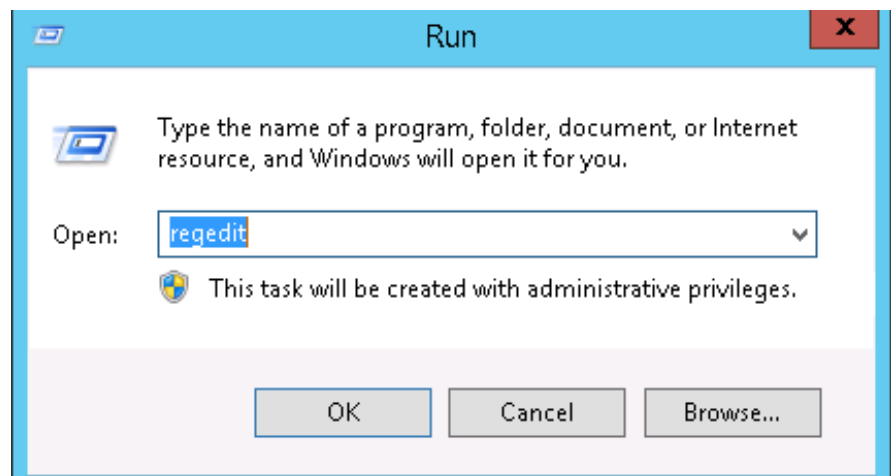


12. Click **Finish** and close all windows.

13. Edit the Registry as follows:
- Right-click **Start**, and select **Run**.

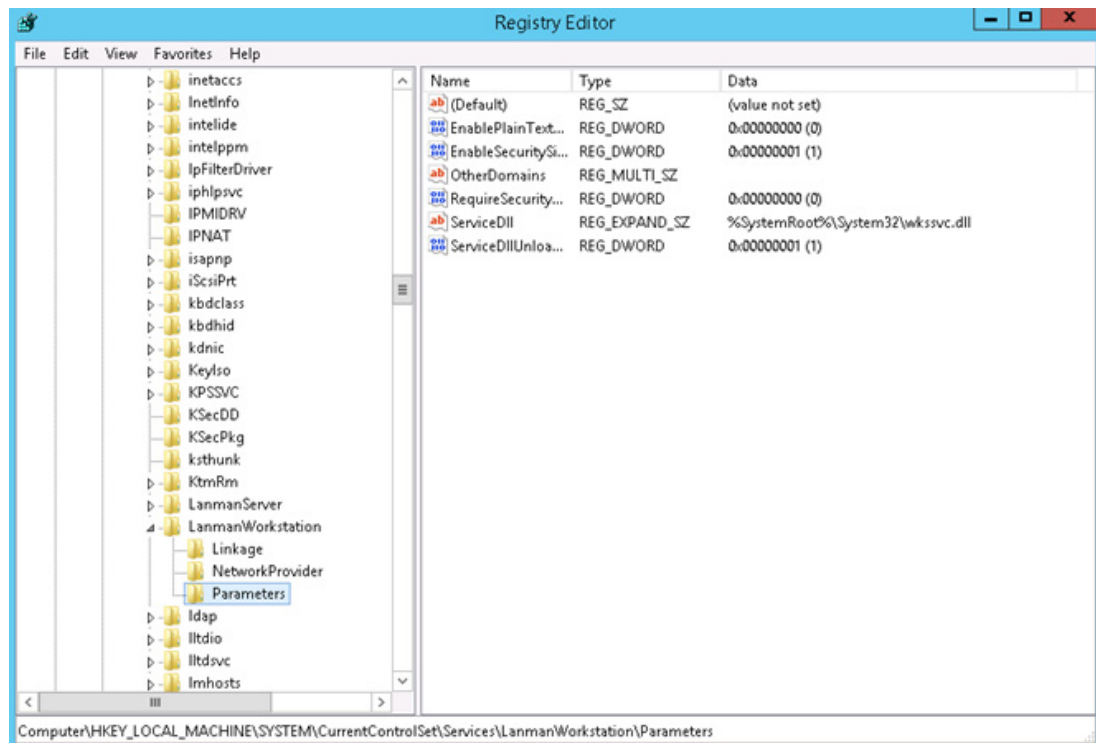


- In the Open box, type **Regedit** to run the program.

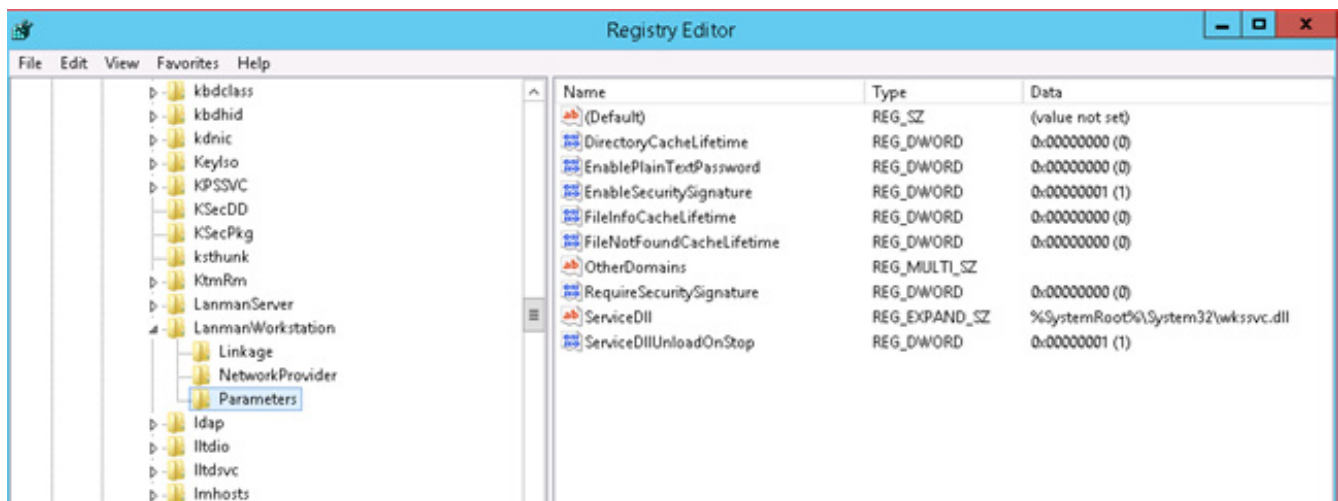


The Registry Editor opens.

- c. Navigate to:
**HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Lanmanwork
station\Parameters**



- d. Create the DWORD entries below:
- ◆ **FileInfoCacheLifetime** with value data of 0
 - ◆ **DirectoryCacheLifetime** to 0
 - ◆ **FileNotFoundCacheLifetime** to 0



14. Reboot the server.

Mobile Bridge



IMPORTANT

If the Customer has purchased Mobile Bridge AND the feature will be accessed outside of the Customer's Network (DMZ/firewall), the application must be installed on a server, separate from the application server, in the customer's DMZ.



IMPORTANT

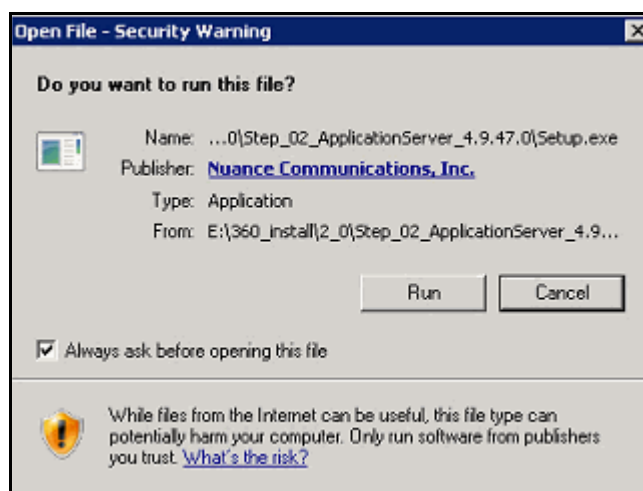
The IIS must be installed and configured on the C drive for the Mobile server.

Pre-Installation

Before installing the Mobile Server application, be sure that the server is configured with the same server roles as the Web / Application server with the exception that you do not install the WebDAV components of the Web Server Role.

Mobile Bridge Installation

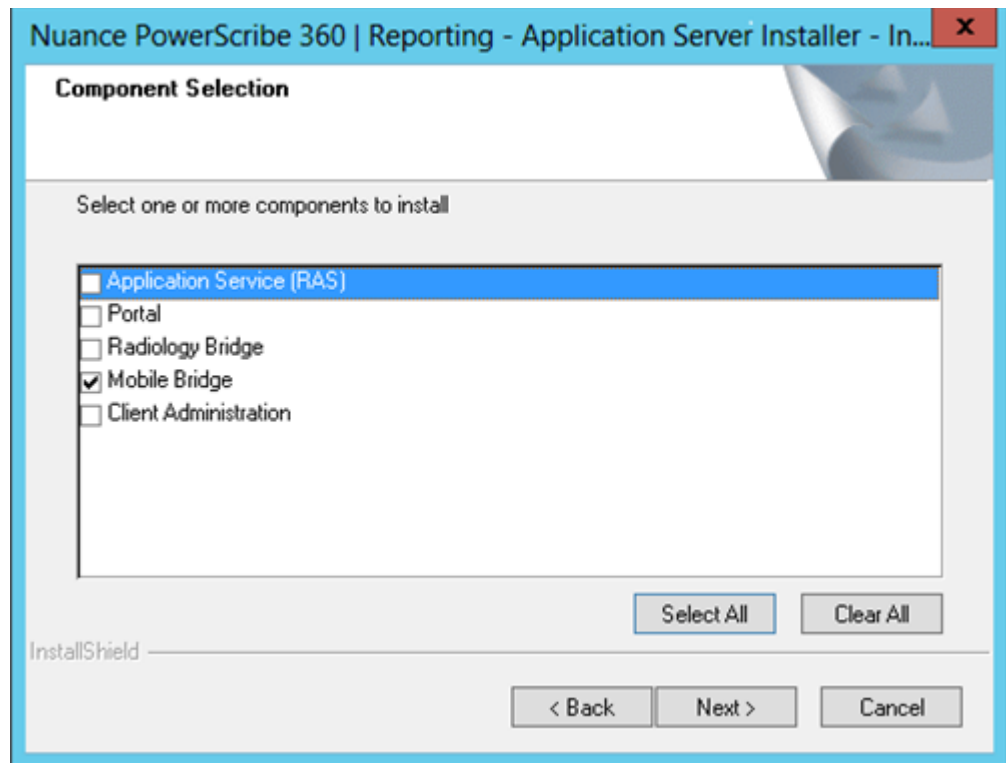
1. If Nuance Mobile Bridge is currently installed on this server, uninstall it.
2. Reboot the server.
3. Locate and double-click the **setup.exe** in the **Step_02_ApplicationServer_X.x.xx.x** folder path.



4. Click **Run**.

The installation application prepares the server. After a few moments, the Welcome dialog displays.

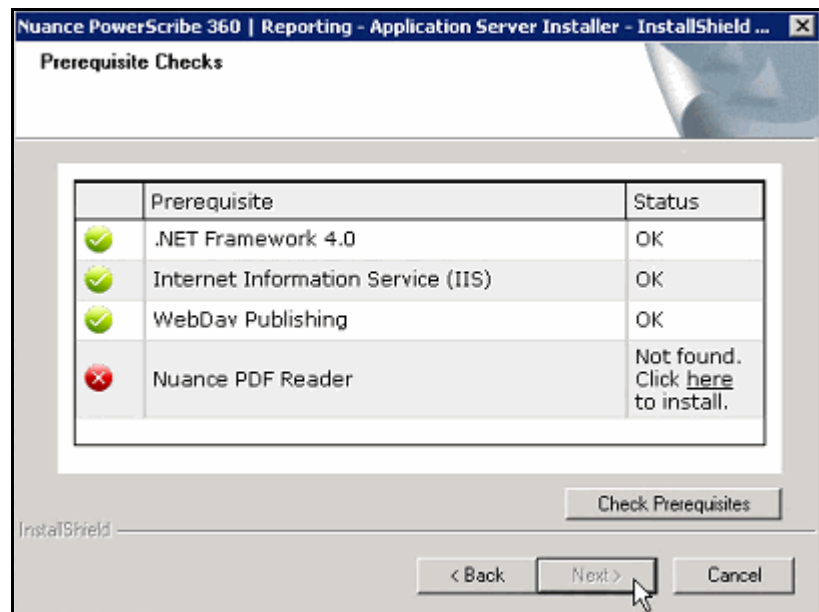
5. Accept the terms and click **Next**.



6. Select **Mobile Bridge**.

7. Click **Next**.

The Install Shield will look for prerequisites.



8. For any Prerequisites not found, click to install them one by one in the Status column. After installing each one, click Check Prerequisites to refresh the list. You must install all of the Prerequisites before moving forward with the installation.

9. After all Prerequisites are installed, click **Next**.

The Mobile Bridge dialog displays.

The screenshot shows the 'Mobile Bridge Configuration' dialog box. It has a title bar with the text 'Nuance PowerScribe 360 | Reporting - Application Server Installer - InstallShield ...'. The dialog is divided into two main sections: 'Web Location' and 'RAS Configuration'. In the 'Web Location' section, there are three fields: 'Site' with a dropdown menu showing 'Default Web Site', 'Folder' with a text box containing 'PS360Mobile', and 'Application Pool' with a dropdown menu showing 'PS360AppPool'. In the 'RAS Configuration' section, there is a 'Base Address' field with a dropdown menu showing 'http' and a text box containing 'PS360/RAS'. To the right of this field is a 'Test RAS Connectivity' button. Below the 'Base Address' field is a 'Port' field. At the bottom of the dialog are three buttons: '< Back', 'Next >', and 'Cancel'. The 'InstallShield' logo is visible in the bottom left corner.

10. Verify the following selections:

- ◆ Site = **Default Web Site**
- ◆ Folder = **PS360Mobile**
- ◆ Application Pool = **PS360AppPool**
- ◆ Database Server = **Enter the name of the Customer Database Server (i.e. PS360/RAS)**

Best Practice

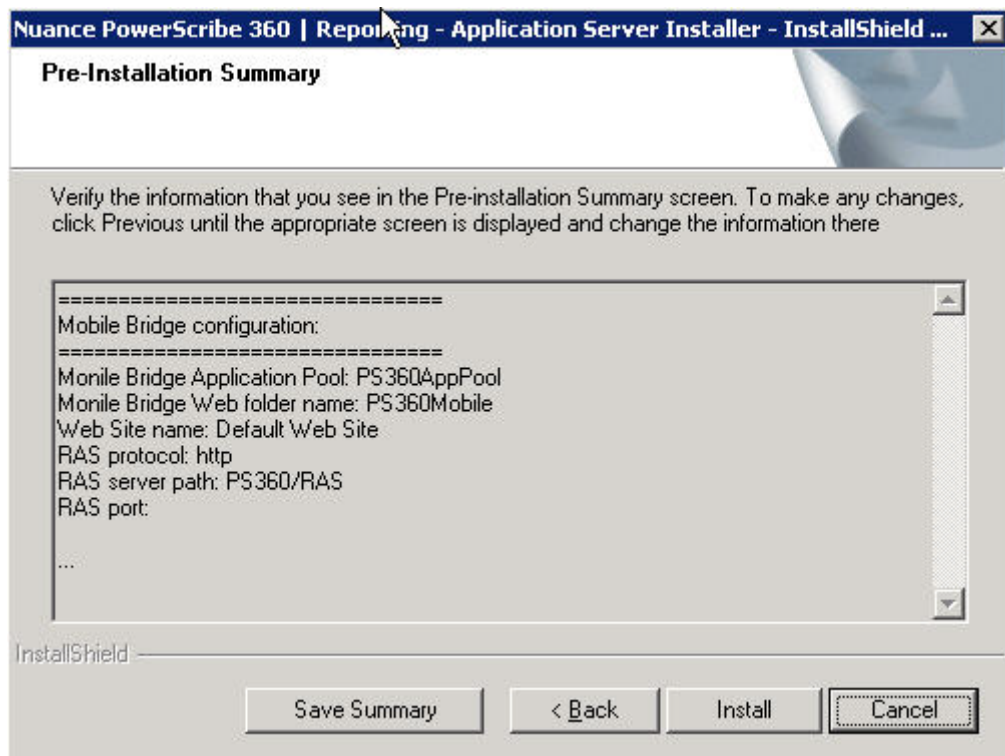


- If an SSL certificate is installed on the server / system, set the connection type to HTTPS.
- Nuance recommends that all **PowerScribe 360 Reporting** network communication be secured and encrypted using Hypertext Transfer Protocol Secure (HTTPS). Nuance also recommends that the customer obtain a certificate from a trusted Certificate Authority consistent with the customer security policies.

11. Click **Test RAS Connectivity** for validation.

12. Click **Next**.

The Pre-Installation Summary dialog displays.



13. Click **Save Summary** and save to the machine desktop.
14. Click **Install**.
15. Wait while the application runs and installs all of the components.
16. Click **Finish**.

Mobile Bridge Configuration

Perform this section on the Application Server for both Non-cluster and Cluster Configurations.



IMPORTANT

For Cluster Configurations, log in and install the Mobile Bridge on BOTH nodes.

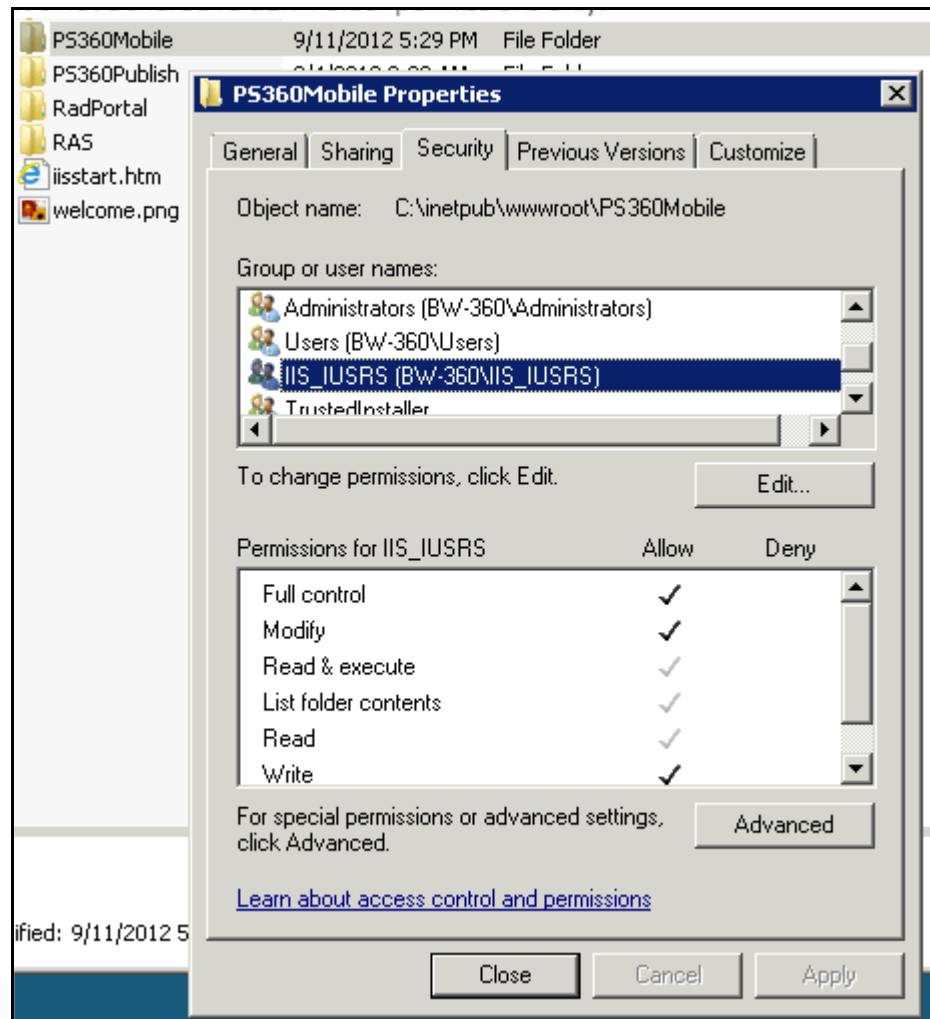
Point the connection string to the Virtual SQL Cluster name if SQL is clustered or to the SQL server if SQL is not clustered!!



IMPORTANT

The IIS must be installed and configured on the C drive for PowerScribe 360 | Reporting and for the Mobile server.

1. Log on to the Application Server as an Administrator.
2. Locate and right-click the **C:\inetpub\wwwroot\PS360Mobile** folder.
3. Choose **Properties**.
4. Click the **Security** tab.
5. Locate and highlight **IIS_IUSRS**.
6. Click **Edit** and assign it **Full control**.



7. Click **Apply**.
8. Click **Close**.

9. Launch the Portal.
10. Open the **System/Preferences** dialog.
11. Click the **Permissions** tab.

Workflow	Permissions	Order Entry	Peer Review	Report Editing	Dictation	AutoCorrect
•	Allow attendings to acquire ownership:	<input checked="" type="checkbox"/>				
•	Allow residents to acquire ownership:	<input checked="" type="checkbox"/>				
•	Allow editors to acquire ownership:	<input type="checkbox"/>				
•	Allow dictation for scheduled orders:	<input checked="" type="checkbox"/>				
•	Allow report creation for non-radiologists:	Reports and addendums				
•	Allow order association:	<input checked="" type="checkbox"/>				
•	Allow correctionist workflow:	<input checked="" type="checkbox"/>				
•	Allow order association on preliminary reports:	<input checked="" type="checkbox"/>				
•	Allow signing reports with temporary order:	<input checked="" type="checkbox"/>				
•	Allow attending signoff on resident login:	<input checked="" type="checkbox"/>				
•	Allow order assignment:	<input checked="" type="checkbox"/>				
•	Allow to override assigned orders:	<input checked="" type="checkbox"/>				
•	Allow correction after keyboard edit:	<input type="checkbox"/>				
•	Allow Assure consistency check:	<input checked="" type="checkbox"/>				
•	Allow table authoring:	<input type="checkbox"/>				
•	Allow physicians to access preliminary reports:	<input type="checkbox"/>				
•	Enable mobile access:	<input checked="" type="checkbox"/>				
•	Enable mobile reporting:	<input checked="" type="checkbox"/>				

12. Check the boxes for the **Enable mobile access** and **Enable mobile reporting** options.
13. Close the application.

Set Service to Use the Service Account

Verify the following service is running under the service account.

- DistributedManagementFramework: Agency

Appendix 1 - Profile Conversion Process



IMPORTANT

Be sure to disable the UAC on the conversion server.

Language Model Conversion for PS360 V1.X Upgrade

Schedule this procedure properly.



IMPORTANT

This procedure takes approximately 20 minutes per user, per input device to convert (if the user uses both PM II and the Philips microphone, this indicates that one profile will take about 40 minutes total to convert), so make sure that you schedule this procedure properly.



IMPORTANT

Start this process when system usage is low to prevent the possibility of access conflict issues on the DragonUsers profile.



IMPORTANT

Perform this profile conversion procedure against 10 production profiles when you upgrade test to this version. Once test is upgraded, have the customer test ALL 10 profiles, to verify the production profiles converted properly and the users are not prompted to “reread” training.



IMPORTANT

Perform this procedure at least 1 week prior to upgrading the production system servers. Be sure to check not only what the tool GUI indicates, but also confirm the success by checking the Dragon and Tool logs.



IMPORTANT

Inform the Customer about the LM conversion and that it will require the Production SUS to be shut down until after the upgrade is finished. Users should not train words, phrases, etc., during this shutdown time.

Dragon Conversion Tool

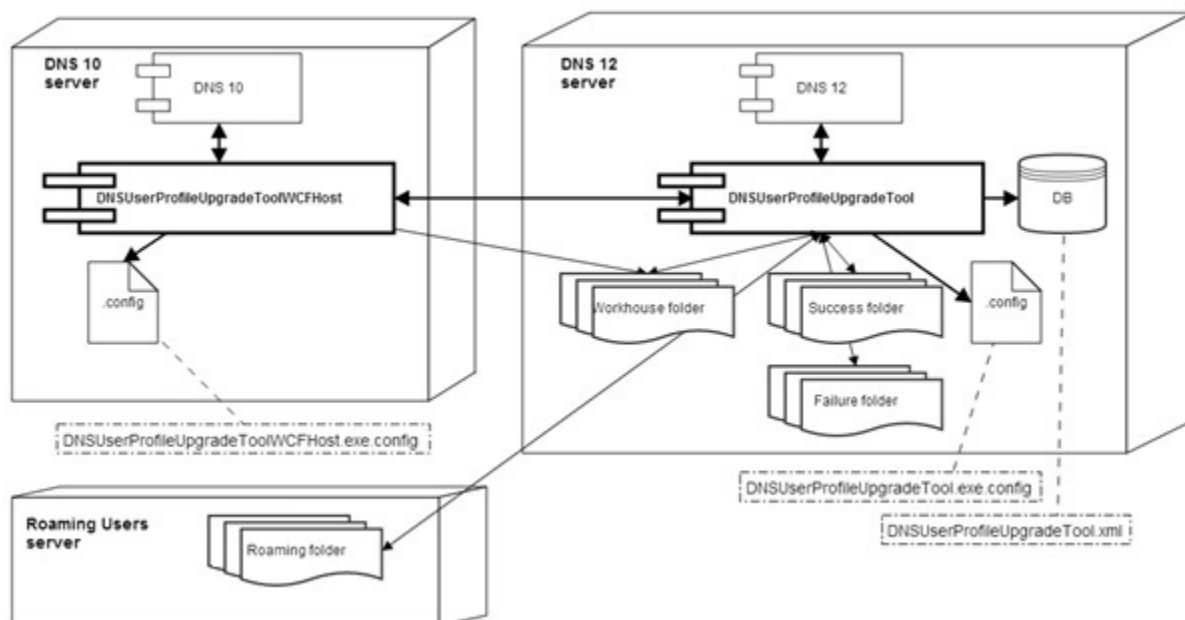
Prerequisites

You will need 2 servers, each server must have 2 CPUs and at least 4 Gb RAM.

- Both servers should be in the same domain.
 - The tool must be running under the same user defined in the active directory.
 - The user should belong to the Administrator's group on all the servers.
 - All folders used with the Dragon Conversion Tool should be set as shared **network folders**.
-

Layout Overview

- DNS 10 is installed on one server and DNS 12 and the tools are installed on another server as shown below.
- The DNS 12 Server must have available hard drive space greater than 3 times the size of the DragonUsers directory on the Production Application Server.
- The Dragon Profiles should be left alone on the Production Application Server.
- The Dragon Conversion Tool will copy the Dragon Profiles for you.



Dragon 10 Server

1. Install Dragon 10 Medical from the PS360 1.5 Install CD.
2. Unzip the DNSUserProfileUpgradeToolWCFHost.zip file.
3. Double-click **DNSUserProfileUpgradeToolWCFHost.exe** to run.

Dragon 12 Server

1. Install Dragon 12 Medical from the PS360 V2 Install CD.
2. Unzip the DNSUserProfileUpgradeTool.zip file.
3. Double-click **DNSUserProfileUpgradeTool.exe** to run.

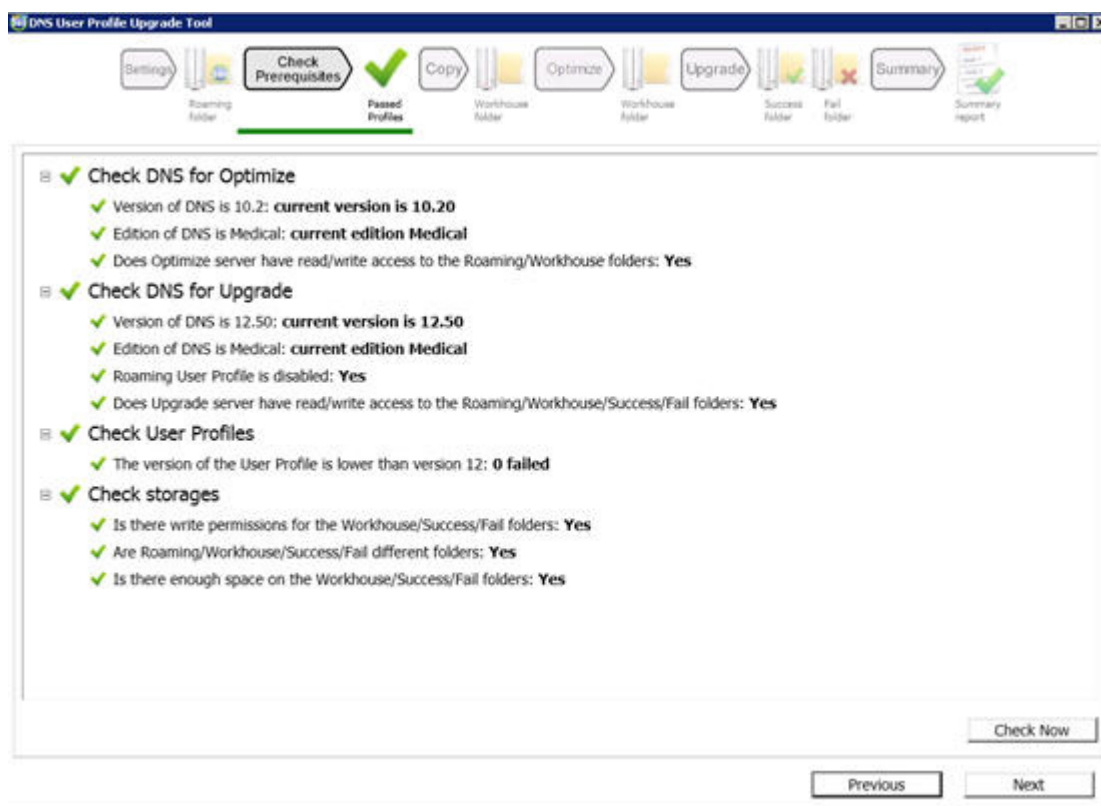
Running the Tool

On the Usage Settings dialog, set the following options:

1. Create and then specify the folders on the Settings page. All the folders should be specified in UNC format (the network address).
 - ♦ **Roaming User Profiles folder:** Point to the production **DragonUsers Folder**.
 - ♦ **Workhouse folder:** Before the user profile processing occurs, the user profiles will be copied from in to the **Workhouse folder** from the **Roaming User Profiles folder**. This folder should exist on the **Dragon12 server**.
 - ♦ **Successfully upgraded user profiles:** All successfully upgraded user profiles are located in this folder. This folder should exist on the **Dragon12 server**.
 - ♦ **Failed to upgrade user profiles:** All unsuccessfully upgraded user profiles will be placed in this folder. This folder should exist on the **Dragon12 server**.
2. Select where the DNS 10 is installed **on the remote host** (default setting) and specify the host name or IP of the server.
3. Select where the DNS 12 is installed **locally** (this is the default setting) to run the tool on the DNS 12 Server.
4. If you want the Optimize and Upgrade process to start automatically after copying the user profiles finish, you can check **Automatically start user profile processing....**
5. Click **Next**.

Check Prerequisites

1. On the Check Prerequisites dialog, click **Check Now** to perform a check of the prerequisites.

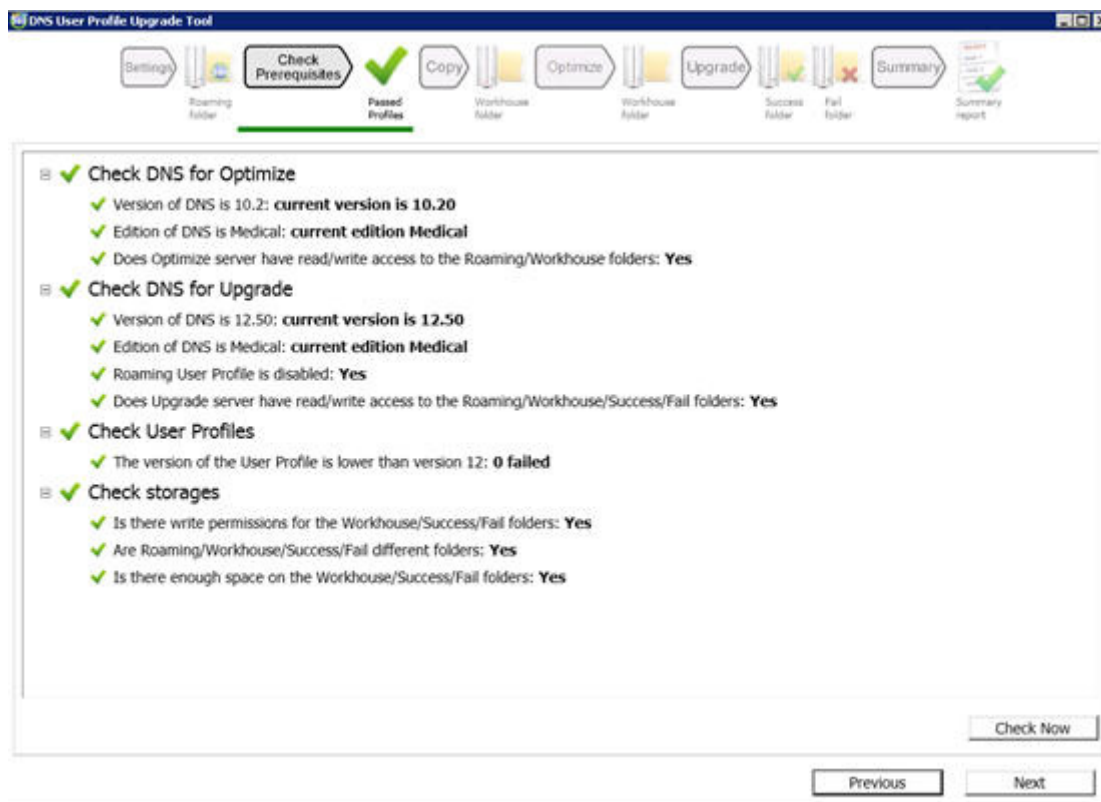


For detailed information about a failed prerequisite, you can click the warning symbol (⚠) to check result.

2. Verify and fix if necessary any unexpected exceptions, failed prerequisite checks, and warnings.
3. Click **Next**, and then [Copy](#) the user profiles.

Copy

1. On the Copy dialog, select the user profiles to copy.



- ♦ Select a user profile available in the Roaming User Profiles folder list, and then click **Copy Selected**.
- ♦ Click **Copy All** to select all users in the Roaming User Profiles folder list to copy.



IMPORTANT

User profiles that are marked with a red “X” in the Roaming User Profiles folder indicate that the user profile failed to copy.



DECISION

To copy a failed user profile, you can click **Reset errors**. The user profile is reset to a state before the copy error occurred.



To clear selected user profiles from the program database, you can click **Clear selected**.



To view the complete description of the user profile, you can click the arrow icon to expand the description.



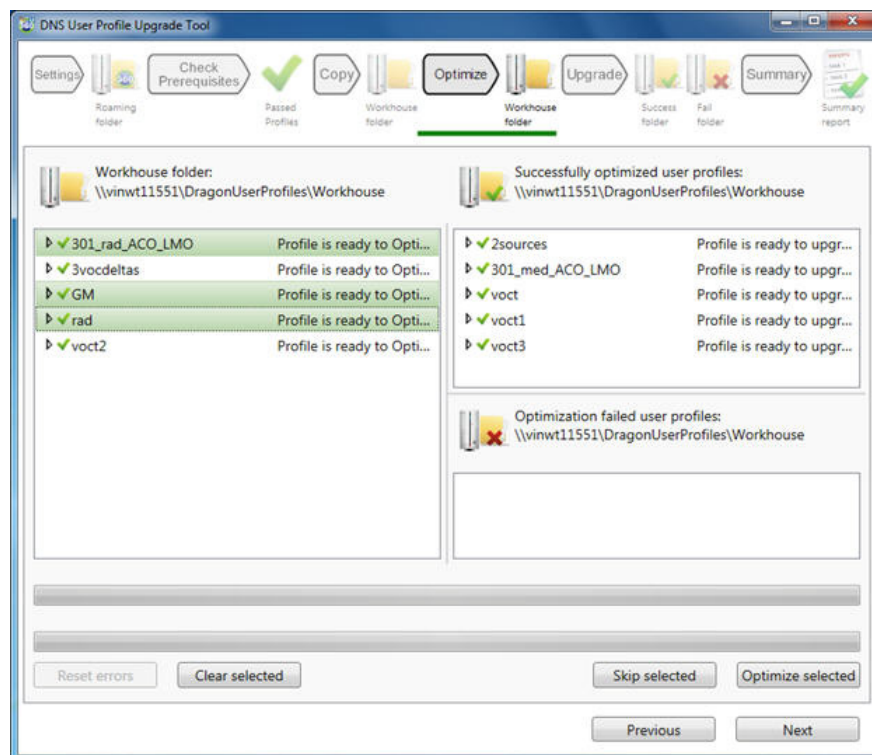
The upper progress bar displays the status of the user profile currently processing and the elapsed time to help you estimate the time to finish.

The lower progress bar displays the common processing status and the elapsed time to help you estimate the time to finish.

2. Click **Check Now**.
3. Click **Next**.

Optimize

1. From the Workhouse folder list, select the user profiles to optimize.



2. Click **Optimize selected**, and then click **Next**.



To clear selected user profiles to optimize, you can click **Clear selected**. Clear selected deselects user profiles in the Workhouse folder to optimize.

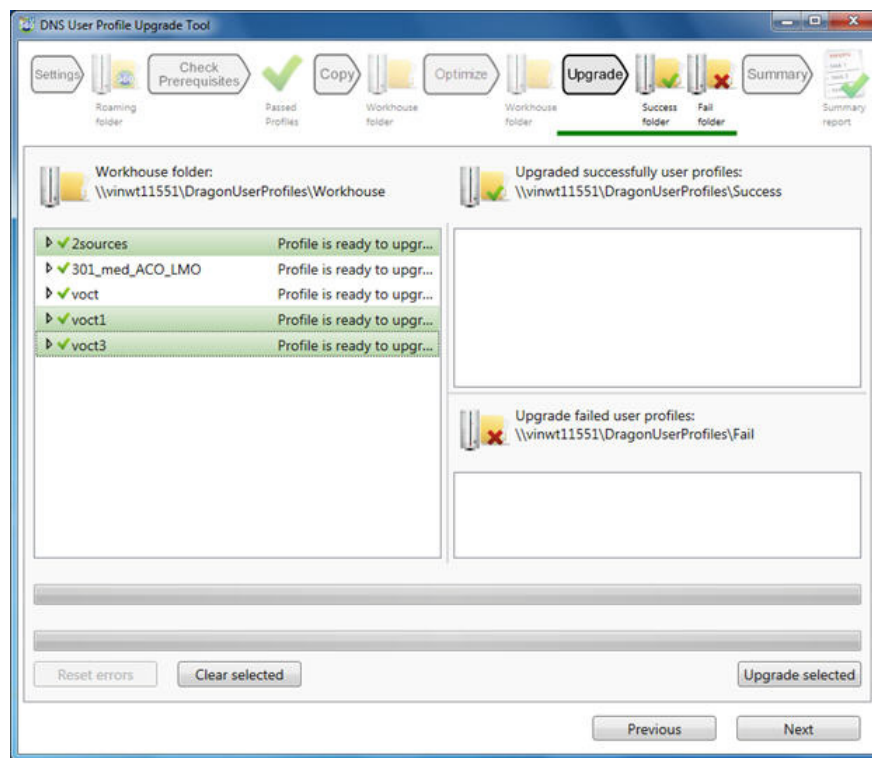


You can click **Use Skip All** or **Skip selected** if you cannot access a server to optimize the user profiles.

3. Click **Next**.

Upgrade

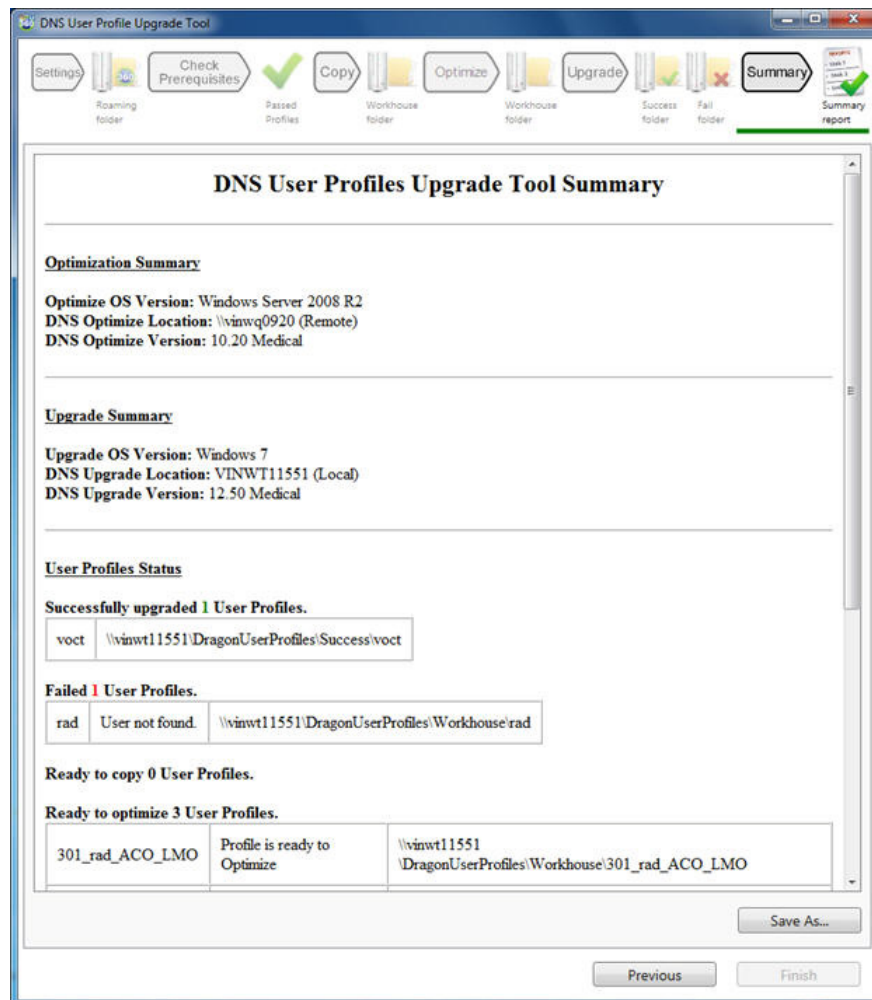
1. From the Workhouse folder list, select the user profiles to upgrade.



2. Click **Upgrade selected**.
3. Click **Next**.
4. When process fails, review and print the DNS User Profile Upgrade Tool [Summary](#).

Summary

1. To save an .html version of the summary, click **Save As**.



2. Click **Finish**.



IMPORTANT

If failures occur, you can run the tool again up to three attempts, to process the failed profiles. If any profiles fail on the fourth attempt, collect the data and open an SR for development investigation of the profile.

3. Run the Profile Tool against the converted profiles, and follow the steps as documented in the tool instructions.

Appendix 2 - Exporting V5 Shortcuts

Overview

For PowerScribe V5.X system conversions to a PowerScribe 360 system, you must perform pre-upgrade procedures to extract the shortcuts (and Profiles, if applicable) before you copy them to PowerScribe 360.

Export Shortcuts

Perform the following steps on the PowerScribe 5.X Application Server to use the PowerScribe Shortcut Export Tool.

1. Download and launch the **PSShortcutExporter.exe** program.
2. Enter the database name for the PowerScribe SQL Database Server.
3. Leave the User set to **sa**.
4. Enter the **sa** password for SQL.
5. Click **Connect to DB**.

This will populate the list of users.

6. Select the user for whom you are exporting the shortcuts.

Note that you can select all users by checking the box in the upper left or select specific users. The names of the users in the following example are blocked out on purpose for privacy.

PowerScribe Shortcut Exporting Tool

Database Information

PowerScribe Database Server:

Login:

Password:

Shortcut Export Options

<input type="checkbox"/>	User ID	Login ID	User Name
<input checked="" type="checkbox"/>	0	System	System
<input type="checkbox"/>	6	admin27	administrator , Administrator
<input type="checkbox"/>	9		
<input type="checkbox"/>	10		
<input type="checkbox"/>	11		
<input type="checkbox"/>	12		
<input type="checkbox"/>	13		
<input type="checkbox"/>	14		
<input type="checkbox"/>	15		
<input type="checkbox"/>	16		
<input type="checkbox"/>	17		
<input type="checkbox"/>	18		
<input type="checkbox"/>	19		

Shortcut Type

☒ Voice

☒ Text

☒ Power Normals

☒ Generate User - Shortcut Name list

☒ Generate PowerNormal and associated procedures list

Upload File Options

☐ Single file

☒ Single file for each shortcut type

PowerScribe Version = 5.0.562.0 User information collected

7. Select the types of shortcuts you want to export in the Shortcut Type section (Voice, Text, Power Normals).

8. Select whether you want all shortcuts in one file or in individual files under the Upload Files Option section. ***The preferred method is a Single file for each shortcut type.***

These will generate the following in the directory you select during the export:

- ♦ **USRID_LOGIN_VoiceShortcuts.xml** - This is a list of a user's voice shortcuts.
 - ♦ **USRID_LOGIN_TextShortcuts.xml** - This is a list of a user's text shortcuts.
 - ♦ **USRID_LOGIN_PowerNormals.xml** - This is a list of a user's Power normals.
 - ♦ **USRID_LOGIN_AllShortcuts.xml** - This is a list of a user's text shortcuts.
 - ♦ **PowerNormalList.txt** - for Generate Power Normal and associated procedure list option.
 - ♦ **ShortcutList.txt** - for Generate User - Shortcut name list option.
9. Click **Export Shortcut**.
 10. Create a folder in a location with ample drive space on the server to export the file(s) to, naming it **X:\ConvertedPWSV5Shortcuts** and wait for the process to complete.

Appendix 3 - Exporting PS V5 Reports for Import to PS360

For PowerScribe V5.X system conversions to a PowerScribe 360 system, you must perform pre-upgrade procedures to extract the reports (if applicable).

General



IMPORTANT

Before beginning this process, be sure to coordinate and work with the assigned Implementation (Interface) engineer.

Make sure that you have all the proper hardware and software required for the integration. This document applies to the importing of data from a PowerScribe 4.X/5.X system to an existing PowerScribe 360 system.

When referring to PowerScribe Versions 4.X/5.X, this document applies to the following:

- PowerScribe Workstation Version 4.X
- PowerScribe for Radiology Version 5.0.1.X



This new output applies to Radiology only; all others, such as Pathology, Cardiology, etc., will be marked as error.

Data Export

These settings are required to save a copy of PowerScribe 4.X/5.X report XML to a designated location. The PowerScribe 4.X/5.X data must be output to a folder on the Interface Server, which will be accessed by the PowerScribe 360 Server.



Be sure to advise the customer when you plan the initial export. Depending on the robustness of the system, users may experience system latency. You can monitor CPU usage on the Web/SQL server using Task Manager.

Create the Directory

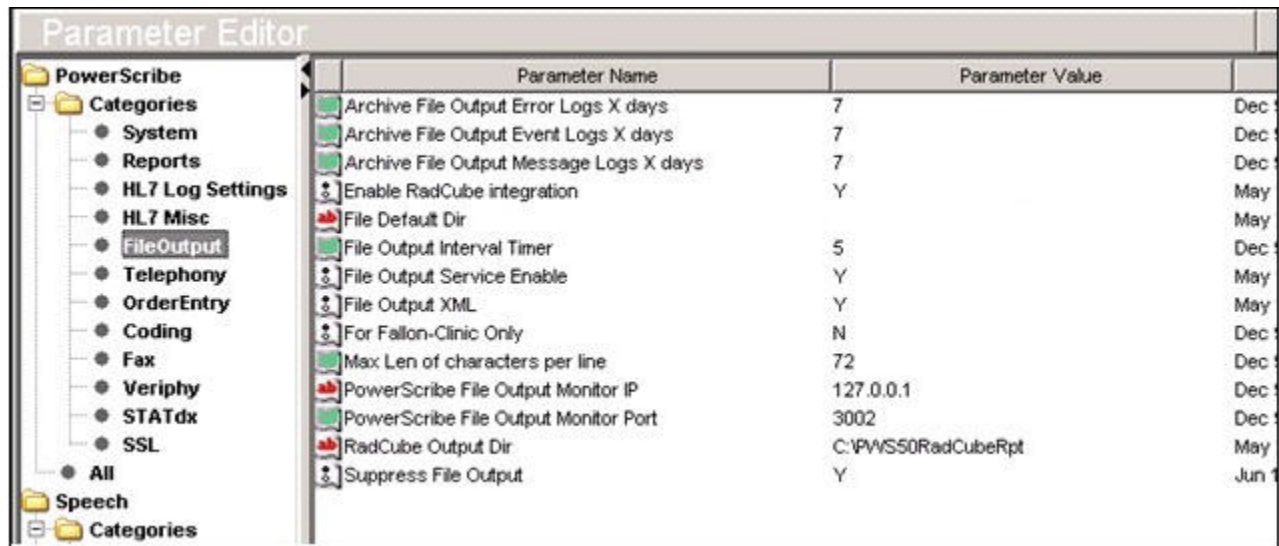
Create the directory PowerScribe V5 Interface Server where the output XML files are to be written (e.g., **X:\PWS360PWSRpt**).



Be sure there is space available on the X drive.

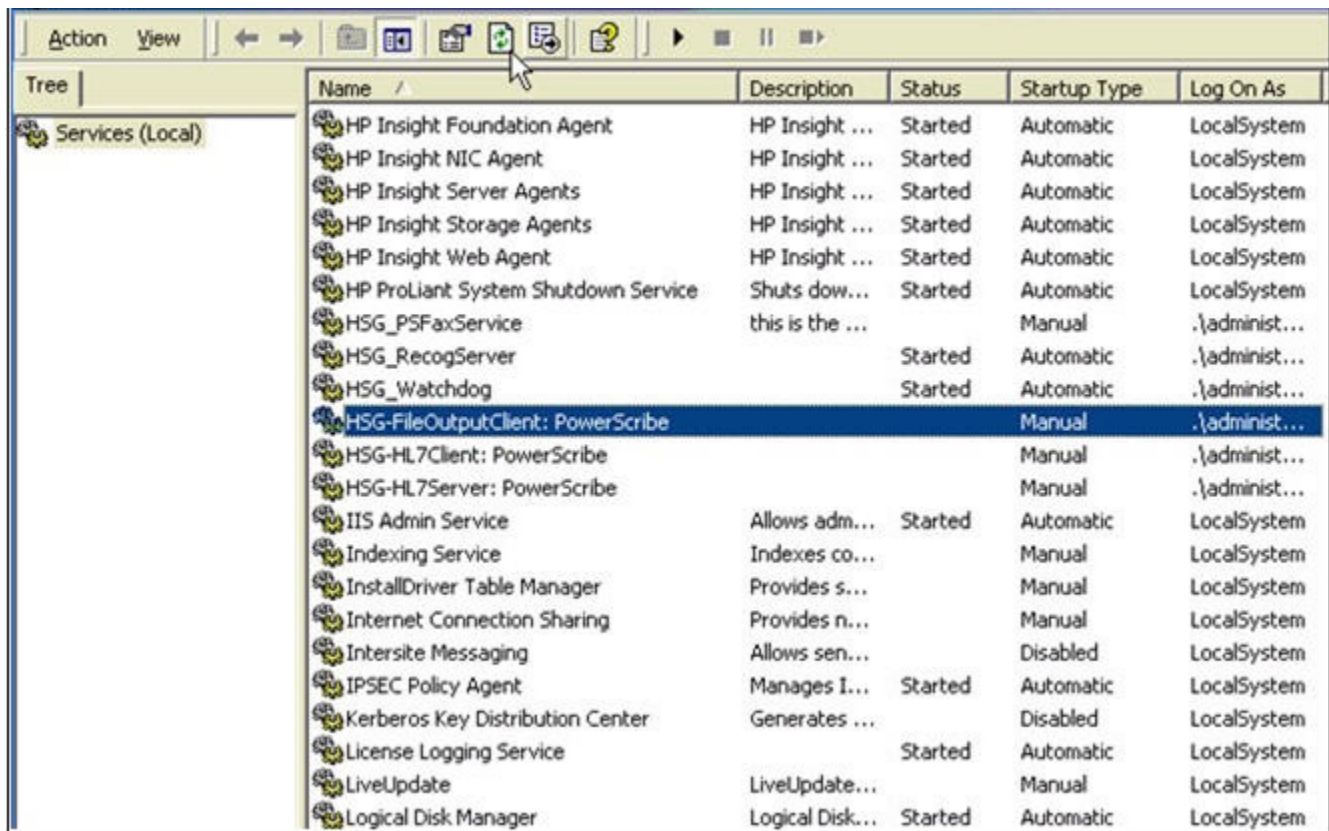
Update the System Settings

1. Log on to the V5.x Admin Client.
2. On the Parameter Editor tab of System, modify the FileOutput settings as required.



- a. Set the **Enable RadCube integration** option to **Y**.
- b. The **File Default Dir** should be blank.
- c. Set **File Output Service Enable** to **Y**.
- d. Set **File Output XML** to **Y**.
- e. Set RadCube Output Dir to the directory you created above. This should be the location you will save the output to. (i.e. x:\PWS360Reports)
- f. Set **Suppress File Output** to **Y**.

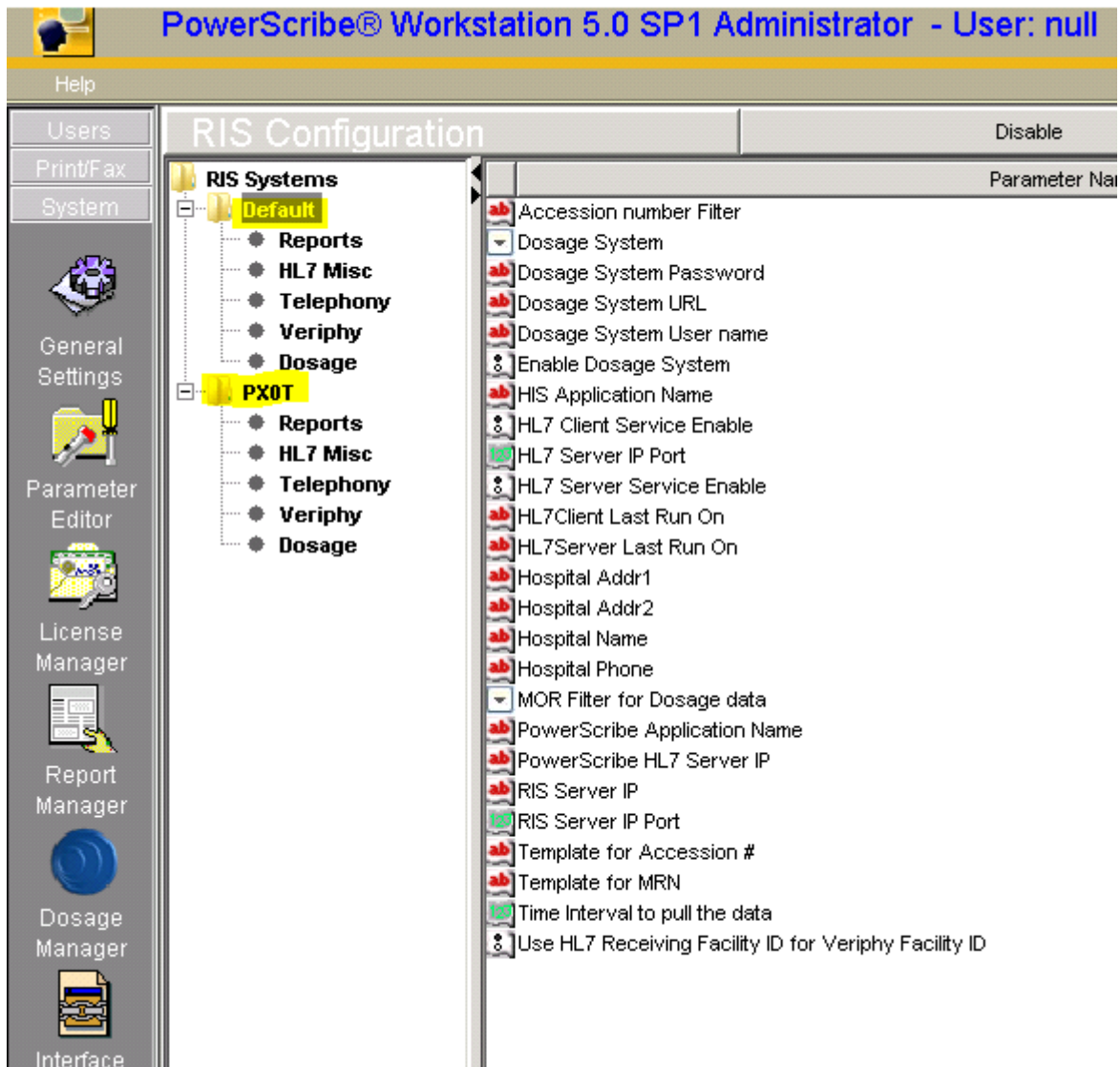
3. Select the Interface tab from System.
 - a. Check the Enabled File I/O checkbox in the upper left corner.
 - b. Verify the workflow entries to be output.
4. In the system services of the Interface Server, check the **HSG-FileOutputClient: PowerScribe** service. If the service Status is blank, start the service to change the Status to Started.



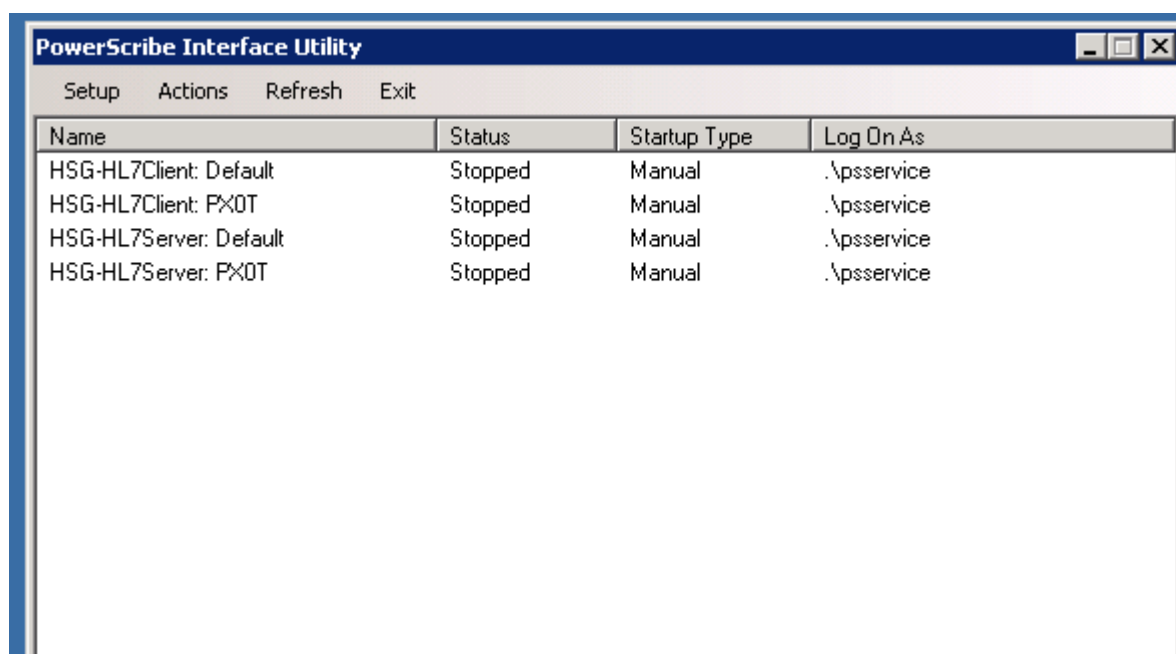
Name	Description	Status	Startup Type	Log On As
HP Insight Foundation Agent	HP Insight ...	Started	Automatic	LocalSystem
HP Insight NIC Agent	HP Insight ...	Started	Automatic	LocalSystem
HP Insight Server Agents	HP Insight ...	Started	Automatic	LocalSystem
HP Insight Storage Agents	HP Insight ...	Started	Automatic	LocalSystem
HP Insight Web Agent	HP Insight ...	Started	Automatic	LocalSystem
HP ProLiant System Shutdown Service	Shuts dow...	Started	Automatic	LocalSystem
HSG_PSFaxService	this is the ...		Manual	.\administ...
HSG_RecogServer		Started	Automatic	.\administ...
HSG_Watchdog		Started	Automatic	.\administ...
HSG-FileOutputClient: PowerScribe			Manual	.\administ...
HSG-HL7Client: PowerScribe			Manual	.\administ...
HSG-HL7Server: PowerScribe			Manual	.\administ...
IIS Admin Service	Allows adm...	Started	Automatic	LocalSystem
Indexing Service	Indexes co...		Manual	LocalSystem
InstallDriver Table Manager	Provides s...		Manual	LocalSystem
Internet Connection Sharing	Provides n...		Manual	LocalSystem
Intersite Messaging	Allows sen...		Disabled	LocalSystem
IPSEC Policy Agent	Manages I...	Started	Automatic	LocalSystem
Kerberos Key Distribution Center	Generates ...		Disabled	LocalSystem
License Logging Service		Started	Automatic	LocalSystem
LiveUpdate	LiveUpdate...		Manual	LocalSystem
Logical Disk Manager	Logical Disk...	Started	Automatic	LocalSystem

If FileOutput Service does not exist

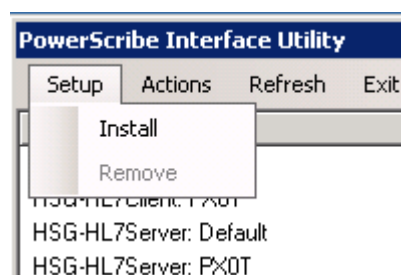
1. Open the PS Admin, and note the RIS System Name.



2. Double-click the HL7 utility

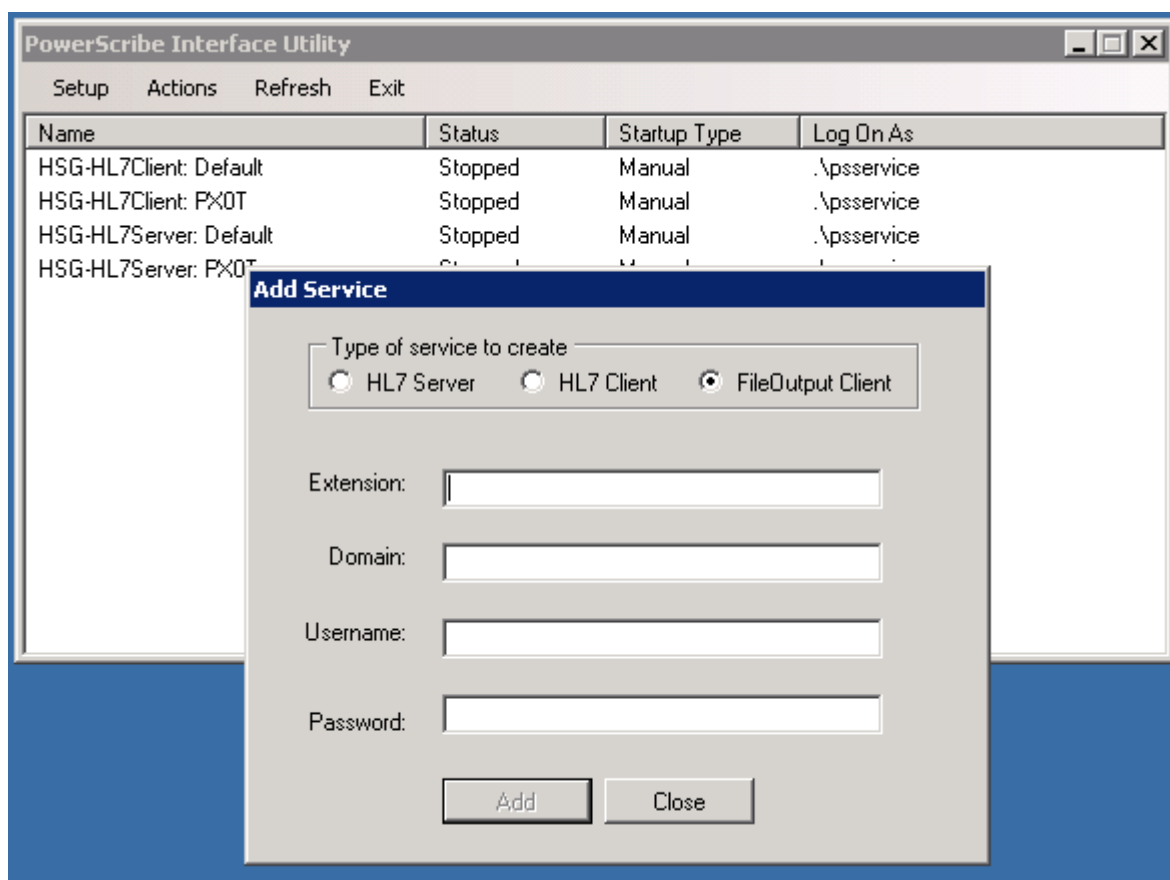


3. From Setup, select **Install**.



The Add Service dialog displays.

4. Check **Fileoutput** to create the service.



5. Enter the Add service fields below, then click **Add**:
 - ♦ For Extension, enter the correct RIS system name.
 - ♦ For Domain, enter the server name.
 - ♦ Enter the correct Username and Password

The screenshot shows the 'PowerScribe Interface Utility' window. It has a menu bar with 'Setup', 'Actions', 'Refresh', and 'Exit'. Below the menu is a table with four columns: 'Name', 'Status', 'Startup Type', and 'Log On As'. The table contains four rows of service information. Overlaid on this window is the 'Add Service' dialog box. This dialog box has a section titled 'Type of service to create' with three radio buttons: 'HL7 Server', 'HL7 Client', and 'FileOutput Client'. The 'FileOutput Client' option is selected. Below this are four text input fields: 'Extension' (containing 'PX0T'), 'Domain' (containing 'ServerName'), 'Username' (containing 'psservice'), and 'Password' (containing masked characters). At the bottom of the dialog are two buttons: 'Add' and 'Close'.

Name	Status	Startup Type	Log On As
HSG-HL7Client: Default	Stopped	Manual	.\psservice
HSG-HL7Client: PX0T	Stopped	Manual	.\psservice
HSG-HL7Server: Default	Stopped	Manual	.\psservice
HSG-HL7Server: PX0T	Stopped	Manual	.\psservice

Add Service

Type of service to create
☐ HL7 Server ☐ HL7 Client ☒ FileOutput Client

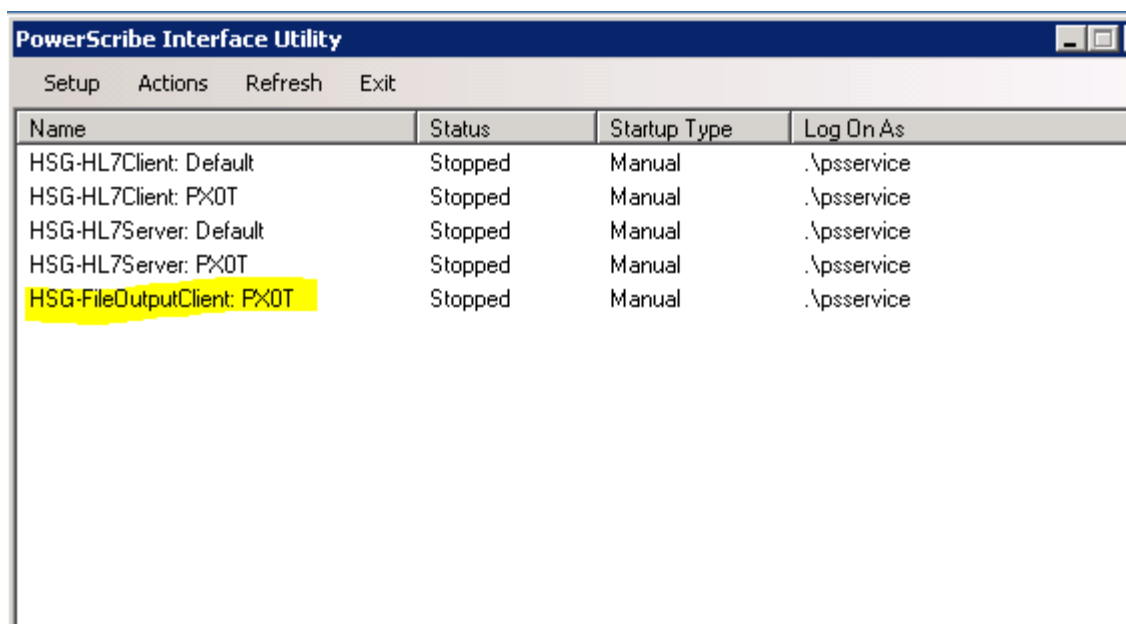
Extension:

Domain:

Username:

Password:

The service is added.



The screenshot shows a window titled "PowerScribe Interface Utility" with a menu bar containing "Setup", "Actions", "Refresh", and "Exit". Below the menu is a table with four columns: "Name", "Status", "Startup Type", and "Log On As". The table lists five services, with the last one, "HSG-FileOutputClient: PX0T", highlighted in yellow.

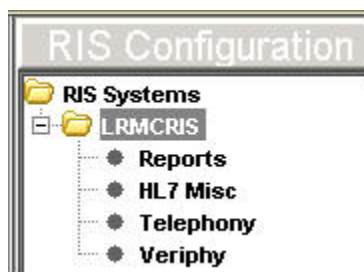
Name	Status	Startup Type	Log On As
HSG-HL7Client: Default	Stopped	Manual	.\psservice
HSG-HL7Client: PX0T	Stopped	Manual	.\psservice
HSG-HL7Server: Default	Stopped	Manual	.\psservice
HSG-HL7Server: PX0T	Stopped	Manual	.\psservice
HSG-FileOutputClient: PX0T	Stopped	Manual	.\psservice

6. Click **Close** button on dialog.

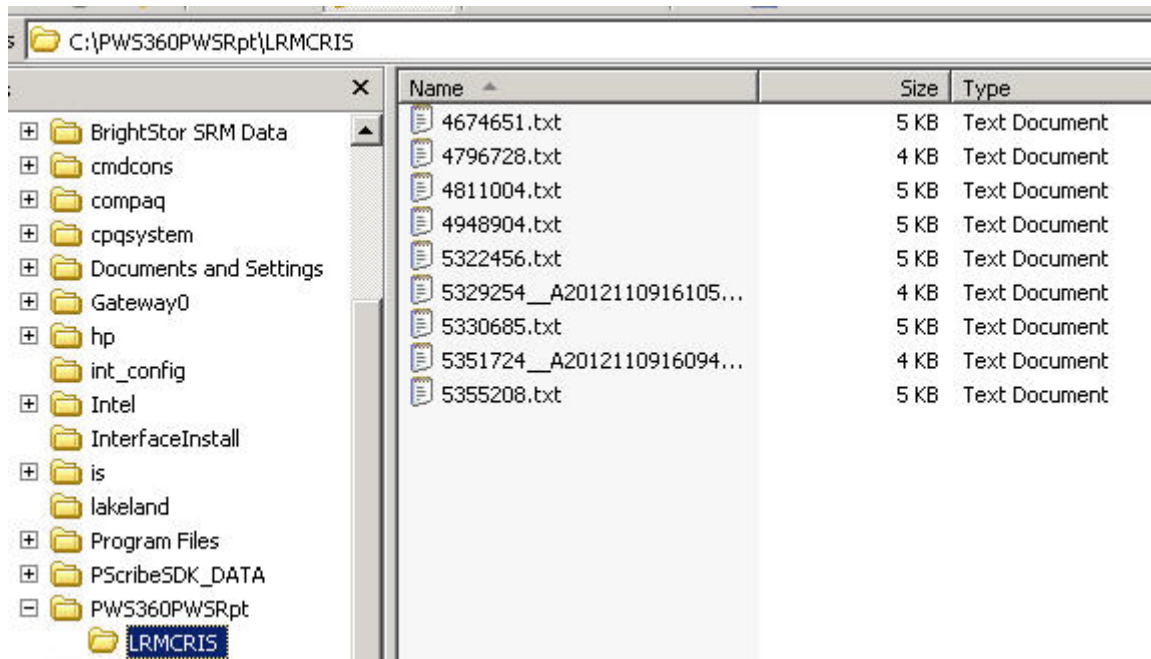


Once File OutPut service is started, the directory structure will appear as follows:

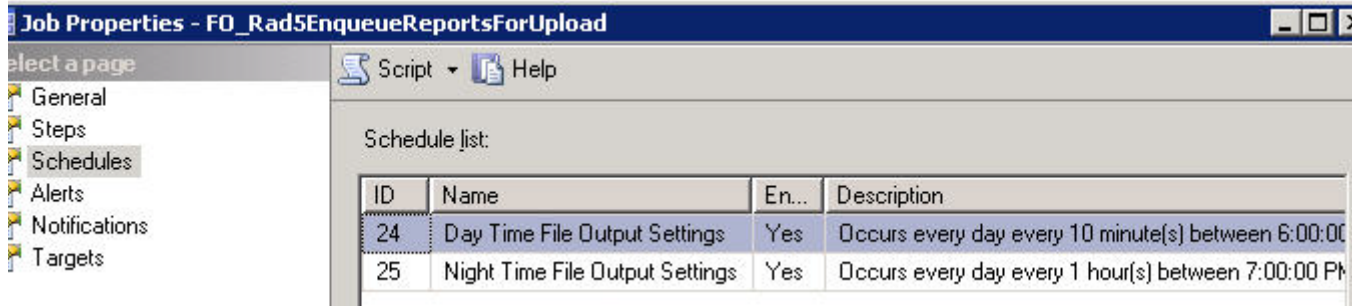
In this example, LRMCRIS is the name of the RIS associated with this PS 5.x system. This directory is where the output files populate.



Short and long file names are shown in this example. The numerical only file name is the accession number of the report. The file name with the numerical (underscore) _A and a number, represents an addendum.



7. On the SQL Server, verify the following:
 - a. The SQL Agent is started.
 - b. **The FO_Rad5EnqueueReportsForUpload Job** is running.



The default schedule has two entries, Day and Night.

8. Using SQL Query Analyzer, execute the following to set all reports to output:

use PowerScribe

insert into OUTPUT_HISTORY (MRV_ID, OUTHIST_Channel, OUTHIST_Status, USR_ID, OUTHIST_When, OUTHIST_Where, APP_ID, OUTHIST_Destination)

Select distinct MRV_ID, 'FileOutput', 0, 1, getdate(), 'QueryAnalyzer', 0, ''
from OUTPUT_HISTORY where (OUTHIST_STATUS = 0 and
OUTHIST_Channel = 'FileOutput')

Once you have run the script above, monitor the directory **X:\PWS360PWSRpt\RISNAME** for .txt files. They will not populate until after the **FO_Rad5EnqueueReportsForUpload** runs.



IMPORTANT

***AFTER DATA IS EXPORTED,
 CONTACT AND COORDINATE WITH THE ASSIGNED
 INTEGRATION ENGINEER WHO WILL PERFORM THE IMPORT,
 WITH FE ASSISTANCE.***

**DO NOT ATTEMPT TO PERFORM THE IMPORT
 YOURSELF.**

Appendix 4 - Microsoft Windows Configuration Guidelines



Microsoft Windows should be installed by the facility using their internal guidelines and practices. Below is a set of guidelines for Roles and Features that should be configured as part of the installation.



IMPORTANT

The IIS must be installed and configured on the C drive for PowerScribe 360 Reporting Application Server and for the Mobile server.



If you are setting up a server for Mobile server, WebDAV is not required. WebDAV is only used by the Application server.



Only the most current .NET Framework version is required for proper PowerScribe 360 Reporting v4.0.1 (SP1) and higher installation and operation when using Windows 2016 and MSSQL 2016. In this case older versions of .NET (i.e., .NET 3.5) should not be installed.

The minimum features to install are below. The facility may have chosen to install more features as needed according to their internal policies and processes.

Windows 2016

1. Install the following Server Roles
 - A. File And Storage Services (default install)
 - a. File and iSCSI Services
 - ♦ File Server
 - b. Storage Services
 - B. Web Server (IIS) (default install)
 - C. Fax Server (optional, check if Fax will be used)
2. Install the following Features
 - A. NET Framework 3.5 Features (**Do not select if using SQL 2016.**)
 - a. .Net Framework 3.5
 - b. ASP.Net 3.5
 - B. . NET Framework 4.6 Features
 - a. NET Framework 4.6

- b. ASP.NET 4.6
 - C. Message Queuing Services
 - a. Message Queuing Server
 - b. Directory Service Integration
 - c. HTTP Support
 - d. Message Queuing Triggers
 - D. WCF Services
 - a. HTTP Activation
 - b. Message Queuing (MSMQ) Activation
 - c. Named Pipe Activation
 - d. TCP Activation
 - e. TCP Port Sharing
- 3. Install the following Web Server Role Services
 - A. Common HTTP Features (ALL)
 - B. Health and Diagnostics
 - a. HTTP Logging
 - b. Logging Tools
 - c. Request Monitor
 - d. Tracing
 - C. Performance (All)
 - D. Security (All)
 - E. Application Development
 - a. .Net Extensibility 3.5 (**Do not select if using SQL 2016.**)
 - b. .Net Extensibility 4.6
 - c. ASP.Net 3.5 (**Do not select if using SQL 2016.**)
 - d. ASP.Net 4.6
 - e. ISAPI Extension
 - f. ISAPI Filters
 - F. Management Tools
 - a. IIS Management Console
 - b. IIS 6 management Compatibility
 - ♦ IIS 6 Metabase Compatibility
 - c. IIS Management and Scripts and Tools

Windows 2012

1. Check the following Server Roles:
 - A. Application Server
 - B. File And Storage Services (default install)
 - C. Web Server (IIS) (default install)
 - D. Fax Server (optional, check if Fax will be used)
2. Check the following .NET Framework 3.5 Features:
 - A. .NET Framework 3.5 Features
 - a. .NET Framework 3.5 (includes .NET 2.0 and 3.0)
 - b. HTTP Activation
 - c. Non-HTTP Activation
3. Check the following Role services:
 - A. .NET Framework 4.5
 - B. TCP Port Sharing
 - C. Web Server (IIS) Support
 - D. Windows Process Activation Service Support
 - a. HTTP Activation
 - b. TCP Activation
 - E. Message Queuing Services
 - a. Message Queuing Server
 - b. Directory Service Integration
 - c. HTTP Support
 - d. Message Queuing Triggers
 - F. Web Server
 - a. Common HTTP Features (All)
 - b. Health and Diagnostics
 - ♦ HTTP Logging
 - ♦ Logging Tools
 - ♦ Request Monitor
 - ♦ Tracing
 - c. Performance (All)

- d. Security (All)
- e. Application Development
 - ♦ .Net Extensibility 3.5
 - ♦ .Net Extensibility 4.5
 - ♦ ASP .Net 3.5
 - ♦ ASP .Net 4.5
 - ♦ ISAPI Extensions
 - ♦ ISAPI Filters
- f. Management Tools
 - ♦ IIS management Console
 - ♦ IIS 6 management Compatibility
 - ♦ IIS 6 Metabase Compatibility
 - ♦ IIS 6 Management Scripts and Tools

Appendix 5 - Microsoft SQL Server Installation Guidelines



The MS SQL application should be installed by the facility using their internal guidelines and practices. Below is a set of recommendations and guidelines that should be selected during the install.

Complete Installation steps with explanations can be found at [HERE](#).

1. The minimum features to install are below. The facility may choose to install more features as needed according to their internal policies and processes.
 - a. Database Engine Services
 - b. Reporting Services – Native
 - c. SQL Server management Studio (Tools) – If installing SQL 2016, you will have to install this feature separately after the main installation is complete
2. It is recommended to use the default instance, however a named instance can be used
3. The SQL services should be set to run under an appropriate account according to the site's internal guidelines.
4. The services should be set to Automatic Startup. It is not required to use NT Authority\System.
5. Mixed Mode Authentication **MUST** be used.

Best Practice



- The “SA” password entered should be provided by the customer's site administrator consistent with the customer's internal password policies. Nuance recommends the use of strong/complex passwords.
- Passwords should only be communicated over secure encrypted channels and/or stored in secure encrypted locations.



The SA account must never be deleted or disabled and is used during installation and updates of the database only. The customer will need to provide Nuance with a sysadmin account to install PowerScribe.

6. Be sure to add the local administrator account and service account as a SQL server Administrator.
7. The data directories should be set according to the site's internal policies and should be set to afford the temp DB and logs sufficient space to grow.

Manual Revision History

Note: In this table the most recent changes are first by date.

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
10/1/18	All	All	Added Best Practices	BW

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
8/17/18	1	1	Changed Title: Upgrade RadWhere or PS360 V1 to Upgrade PS360 V1	8/17/18
	1	1	Changed Title: (PS360 V 1.x) Convert Dragon Profiles to Convert Dragon Profiles	
	1	1	Removed Verify Disallow Adhoc Access Process section.	
	1	1	Removed Clean-Up the COMM1 Database section.	
	1	2	Removed Create the COMM4 Database section.	
	1	4	Removed Delete Folder for RadWhere section and Title for PS360 V1.x	
	1	7	Removed, Remove the RadWhere 3.x Software section.	
	3	2	Added roles, removed links to Windows Server 2008 Rs and 2012 manuals.	
	3	2	Updated Script to Sharepoint Script.	
	3	2	Changed Download the PS360 Backup Maint Plan Creation later version from Confluence to link to SharePoint.	
	3	5	Added Verify SQL Components section.	
	3	44	Removed Set Services to Use the Services Account section.	
	3	45	Removed PowerShare Accelerator section.	
	4	1	Removed note, Review the Patches and Hot Fixes Table for the "latest" updates, so the installer can be sure what additional HFs have to be applied on top of patches. For example, 3.0.1 Patch 2 contained a RadBridge and RadPortal update, however newer RadBridge and RadPortal hot fixes override what was in the patch.	
	5	7	Removed Upgrade AutoText section.	
	5	10	Added step 5 to jump to the new App 4 with Microsoft Windows Roles. Removed reference to install the client on 1 workstation before moving on to SUS server	
	5	11	Added Note after Client Installation	
	6	1	Removed Steps 4 to Microsoft SQL Server 2014, and step 5 to continue to Install Dragon SDK Medical.	
	6	2	Added Microsoft SQL Server 2014 steps.	
	6	12	Removed Set Services to Use the Services Account section.	
	8	All	Removed Update CRM section.	
	App 5	All	Fax Server Configuration, is replaced by 889799, Fax Server Configuration on 5648 Server Installation and Management.	
	App 4	All	Moved Microsoft SQL Server 2014 Express Installation section to SUS installation, pg 6-2.	
	App 4	All	Added a new appendix with Microsoft Windows Roles 2016 Installation.	
	3	20	Added BP Change the Protocol to HTTPS.	
	3	21	Added BP Change the Protocol to HTTPS.	
	3	22	Added BP Change the Protocol to HTTPS.	
	3	23	Added BP Check the Use SSL option.	
	3	40	Added BP Change the Protocol to HTTPS.	
	3	41	Added BP Change the RAS Server URL to HTTPS protocol.	
	3	43	Added BP Change the RAS Server URL to HTTPS protocol.	
	3	43	Added BP Change the Launch Location Protocol to HTTPS.	
	5	1	Added BP Do not use the P\$\$, Nuance or any similar password. The password for the Admin account should be unique to each site.	
	5	2	Added BP Change the Protocol to HTTPS.	
	5	5	Added BP Change the Protocol to HTTPS.	
	5	6	Added BP Change the Protocol to HTTPS.	
	5	2	Added BP - For Cluster configuration, use the Virtual SQL Cluster name. - For SSL sites, use the FQDN. - Change the Protocol to HTTPS.	
	5	8	Added BP Change the Protocol to HTTPS.	
	5	9	Added BP In IIS, enforce SSL.	
	App 5	All	Added SQL Installation section.	

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
7/25/18	3	1	Add important Note after Stop: Only the most current .NET Framework (4.6.2) version is required for proper PowerScribe 360 Reporting V4.0.1 (SP1) installation and operation. Older versions of .NET Framework should not be installed.	BW
	App 4	1	Removed reference to 3.5.	
3/30/18	App 3	9	If FileOutput Service does not exist	BW
3/29/18	6	10	Added enabling registry settings and rebooting server after SUS installation.	JR/BW
3/19/18	5	1	Updated the Set Admin Password, step 2, and added important note.	BW/SP
10/10/17	4	All	Inserted Chapt 4, Apply Post Installation Hot Fixes/Patches, and Fax content for downgrading fax if required.	SP/BB
5/3/17	5	5	Updated Step 4 - Server Settings Window section.	ES/BW
3/21/17	3	11	Enable FileStreaming relocated, and Create the SQL Maintenance Plan added back in.	RF/BW BW
	5	5	Added note to step 2.	
3/17/17	3	44	Download the Accelerator-2.3.1.exe, from either this link, https://db.tt/eZdaZkbm or from the Definitive Media Library. to Download the Accelerator-2.3.4.exe from the Definitive Media Library.	BW
2/28/17	3	43	Delete Configure WebDAV Queries Property section, built into the installer.	BW/SP
2/22/17	3	43	Add Configure WebDAV Queries Property section.	BW/AF
2/9/17	App 4	10	Delete Note, Refer to P36A064, PowerScribe 360 Reporting Passwords Required for Installs and Upgrades as needed.	BW
2/6/17	4	12	Changed link to Client Application Installation, 889795.	BW/SP BW BW
	8	ALL	Put Remote Diagnostics in new Manual, 889798.	
	8		Put back in the Update CRM	
1/25/17	5	6	Updated image	MB/MS
	4	12	Add a link to the TBD Admin Guide, 4.0. LINK does not work yet.	
	3	1	Added another url.	
	3	40	Added Note.	
1/23/17	1	5	Updated image	MS
	1	6	Updated image	
	3	3	Updated image	
	3	4	Updated image 1	
	3	4	Updated image 2	
	3	5	Updated image	
	3	6	Updated image	
	3	7	Updated image 1	
	3	7	Updated image 2	
	3	8	Updated image 1	
	3	8	Updated image 2	
	3	9	Updated image	
	3	14	Updated image	
	3	15	Updated image	
	3	16	Updated image 2	
	3	18	Updated image 1	
	3	18	Updated image 2	
	3	19	Updated image 1	

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
1/20/17	1	1	Changed the MaintainReportAudioData.sqlscript location to Confluence.	BW
1/16/17	3	19	Changed The User must click the TEST RS Connection on this screen to step 20.	DV
1/4/17	3 2	41 2-3	Change Faxing Note to title/paragraph. Moved to before Database Install in chapter 3.	BW
1/3/17	2 3 App 5	1 41 All	Added Table with links. Faxing Note. Added Fax Server Configuration	BW
12/22/2016	3	9	Remove reference to maintenance plan. No longer needed, IT is now part of DB installer.	BW
	4	12	Add link to the document referenced (Tom H's client install) PENDING	

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
12/12/2016	1	1	Email #1:	
	1	2	(1) Change Titles to Levels for Clean-Up the COMM1 Database and (RadWhere Only), H1 and H2.	
	1	8	(2) Change Titles to Levels for Create the COMM4 Database and (RadWhere Only), H1 and H2.	
	2	1	(3) Delete Windows Accounts, paragraph: Accounts that were previously used in PowerScribe360, PowerScribe or RadWhere may no longer be used.	
	3	1	(4) Move Before You Begin to Sect. 3-1 top.	
			(5) Inserted Before You Begin to top of 3-1.	
			(6) Delete Contents of Before you begin:	
			It is imperative that the installation and upgrade steps outlined in this manual be followed to:	
			Maintain an approved and qualified environment that allows the highest level of supportability and the highest level of customer satisfaction possible.	
			Support the evolution of the application and to be able to simplify and then automate upgrades and installations. The automation will prevent errors and issues that sometimes occur during installations and upgrades.	
	2	2	(7) Add Title Server Names.	
	2	2	(8) Move from 3-1 to Server Names	
			Ensure that the server name DOES NOT have an underscore in it. If so, rename the server before continuing.	
	3	1	(9) Move to 2-2 to Server Names	
			Ensure that the server name DOES NOT have an underscore in it. If so, rename the server before continuing.	
	3	1	(10) Change Database Installation to H1.	
	3	7	(11) Add H1 Title, Management Reports Installation.	
	3	7	(12) Change step j. to paragraph.	
	3	9	(13) Change Enable FileStream on Secondary Cluster Node to H2.	
	3	11	(14) Delete the SQL Maintenance Plan section, now part of the installation.	
12/12/2016	3	18	(15) Delete Note: If you are installing to a cluster, SQL Enterprise must be installed to have High Availability on the Reporting service. If Enterprise edition is not installed, Reporting will either need to be installed on one node only, or installed on a separate SQL Reporting server.	
	3	41-43	(16) Delete Configure MIME Settings and steps 1-4. Fixed in App.	
	4	2	(17) Delete Note: The RAS application must have access to the drop folder.	
	5	10-5-11	(18) Delete Configure RadPortal, Specifying the Speech Profile Location, steps 1-6. Covered in Sect. 3.	
	3	8	(19) Update image.	
	7	6	Email #2:	
	7	6	(20) Replace Table with new table.	
			Email:#3	
	7	6	(21) Replace Table with new table. Added SUS Server.	

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
12/5/16	1	All	Swapped contents in chapter 1 with contents in chapter 2	
	2	Al	Swapped contents in chapter 2 with contents in chapter 1	
	Cover	-	Round Two:	
	1	1	Title changed. (1) - Removed the word <i>from</i> in title: Upgrade from RadWhere or PS360 V1.x (2) - Inserted note: If you are upgrading from V 2.x or higher, STOP and refer to Upgrading Version 2 and Above — PN 889679 for the proper procedure. (3) - Changed section from Upgrading from Prior Hot Spare Installations to Hot Spares	
	1	2	(4) - Deleted section: Stop the Services Prior to performing the upgrade, you must stop the RadBridge Service and World Wide Web Publishing Service. (5) - Changed section title from: (RadWhere Only) Create the COMM4 Database to: RadWhere Only Create the COMM4 Database	
	1	3	(6) - Changed section title from: Copy DragonUsers Folder to Backup DragonUsers Folder (7) - Changed section title from: Copy Wave Folder to Backup Wave Folder	
	1	4	(8) - Changed bullet: X:\Nuance\DragonUsers\PS360_BackupUsers to DragonUsers (9) - Added bullet: DragonUsersTemp	
	1	8	(10) - Deleted section: Upgrade Windows OS If the site will be using a hot spare, you will need to upgrade the OS Application of the MSSQL Server to the Enterprise version by applying the new/proper license keys.	
	1	9	(11) - Deleted section: Upgrade MSSQL If the site will be using a hot spare, you will need to upgrade the MSSQL Server Application to the Enterprise version by applying the new/proper license keys.	
	2	1	(12) - Changed Powerscribe to PowerScribe (13) - Changed Title from Introduction to Preinstallation Checklist (14) - Deleted note: If you are upgrading from V 2.x or higher, STOP and refer to Upgrading Version 2 and Above — PN 889679 for the proper procedure. (15) - Added New Section Verify Internet Access (16) - Added New Section from chapter 3, and changed the title from Verify the Server is Configured Properly to Verify Server Configuration (17) - Added Download the Software Section (18) - Added Extract the Dragon Installers Section (19) - Added New Section from chapter 3, and deleted the bullet: X:\Nuance\WebServiceLogs	
	3	1	(20) - Changed title from Application Installation to Installation (21) - Deleted section: Check Internet Network Access (22) - Deleted: PowerShare requires access to the following: The range for all external IPs is 216.52.195.129/26. Specific IPs for network traffic URLs are: upload1.seemyradiology.com:443 = 216.52.195.130	

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
12/5/16 (continued)	3	3	(23) - Deleted/Moved section: Verify the Server is Configured Properly (24) - Deleted/Moved section: Create Nuance Application Directories (25) - Deleted/Moved section: Software Download (26) - Deleted/Moved section: Extract the Dragon Files (27) - Step 1: deleted 4_0, and 6 and replaced the 6 with X, In the X:\Software\360_Install\4_0\Step_01_DBSetup_6.x.xx.x folder, double-click DBsetup.exe.	
	3	9	Added notes: (28) - If you are installing a SQL only server, you must now install the Management Reports to this server. (29) - For a Cluster Configuration: Install the Applications on BOTH nodes. Use the Application Cluster Virtual Name for URL and the SQL Virtual Cluster Name for SQL connections. When installing to Node 2, you must first fail the SQL over to Node (two) 2. If you do not, the installer will not see SQL as being active, only on App/SQL cluster. (30) - Inserted Step 1, changed 6 to X, - X:\Software\360_Install\4_0\Step_02_ApplicationServer_X.x.xx.x (31) - Inserted Step 2 (32) - Inserted Step 3, changed for Reports only. Need new image. (33) - Deleted Step 4, and inserted new content for Prerequisite Checks dialog.	
	3	11	(34) - Deleted Create the SQL Maintenance Plan, notes, links and image. (35) - Inserted Step 4, Step 5, Step 6. (36) - Changed In the X:\Software\360_Install\4_0\Step_02_ApplicationServer_6.x.xx.x folder, double-click the setup.exe. to In the X:\Software\360_Install\4_0\Step_02_ApplicationServer_X.x.xx.x folder, double-click the setup.exe.	
	3	12	(37) - Inserted Steps: *If this is an combination SQL and Application Server Click Select All . *If this is an Application ONLY server, select ALL modules EXCEPT Management Reports. *Click Next .	
		16	(38) - Deleted Note, and text	
		17	(39) - Delete object. (40) - Deleted Nuance	
		37	(41) - Deleted note: If for any reason the database is patched prior to upgrading Portal, it will be necessary to run the RASGUI.exe in inetpub to reset all the user passwords with the new encryption. Otherwise, the logins will fail when attempting to log in to the Portal. (42) - Deleted 6: in: To find these source paths, use the ellipses buttons for each entry and browse to the location where you extracted the Step_03_PowerScribe360_6x.x.xx.x files. These will be in the path under that step.	
		43	(43) - Inserted Note: IF you have already installed the client admin to Node 1 of a cluster and are installing to Node 2 of a cluster DO NOT perform step 17. Skip to Step 19 (44) - Deleted Step 21: From Windows Explorer, navigate to: X:\nuance\DragonUsers X:\nuance\DragonUserTemp (45) - Deleted Step 22: Verify that the Share Permissions for DragonUsers and DragonUserTemp are set so that the Services account and the IIS_IUSRS Group have full rights. For Security purposes, the Everyone account should not have rights to these directories.	
	3	44	(46) - Inserted title: Configure MIME Settings	

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
12/5/16 (continued)	4	1	(47) - Deleted in Step 2: of commissure	
		2	(48) - Added/Deleted Note: The RAS application must have access to the drop folder.	
	5	3	(49) - Create and move Microsoft SQL 2014 Express Installation section to a new Appendix (4)	
		7	(50) - Typo: Administrative rights.	
	7	2	(51) Changed Enrollment and Agency Installation to Remote Diagnostics Installation	
		5	(52) - Enroll the Agency for Remote Diagnostics to Enroll the Server	
	5		(53) - Changed Agency Installation title to Remote Diagnostics Installation	
			SUS Changes:	
		1	(54) - Delete notes:	
			If you are performing an upgrade from PowerScribe 360 Reporting V1.x You must uninstall SQL Express, Dragon, and SUS and install the newer versions.	
	7		If you are asked to install the product in a method or configuration not outlined in this installation manual, you should stop and consult with Service Management.	
			(55) - Change drive to C, Step 1.	
			(56) - Change title: Install Dragon SDK Medical Software on SUS to Install Dragon SDK Medical	
			(57) - Delete the word the in the title of Install the SUS	
			(58) - Step 2, Deleted 3_0_0_2, added SUS Install.	
			(59) - Step 3, Deleted server 3_0_0_2, added folder.	
			(60) - Deleted Configure RadPortal Section	
		1	(61) Changed title for Final Steps to Remote Diagnostics	
			(62) Changed tile for Enable UC to Enable UAC	
			(63) Deleted title Turning on UAC	
			(64) done.	
			(65) - Deleted Overview title and paragraph.	
			(66) - Inserted Note.	
			(67) - Deleted Proxy Servers	
	5		(68) - Deleted currently	
			(69) - Inserted Note. Deleted Enrollment.	
	6		(70) - Changed paragraph: With the release of Version 2.0 it is now possible to enroll more than a single server using the same model and serial number. This should only be done when both of the following are true:	
			(71) - Deleted Agency Installation and content.	
			(72) - Deleted Enroll the Server	
			(73) - Deleted Prerequisite	
			(74) - Deleted for Enrollment	
		6	(75) - Changed step 4.a.	
		9	(76) - Step 7, bullet 1, changed.	
		10	(77) - Delete figure title.	
		11	(78) - Delete figure title	

Date	Sec	Page	Change (Paragraph, Sentence, Figure, Table, etc.)	Initials
12/5/16 (continued)	7	12 13 15	(79) - Delete figure title. (80) - Delete figure title. (81) - Delete and proceed to the Agency Installation section on page 3.	
11/14/16	3	16	Portal Config diagram updated.	SEP
10/26/16	All	All	Draft Version 4.0	SEP