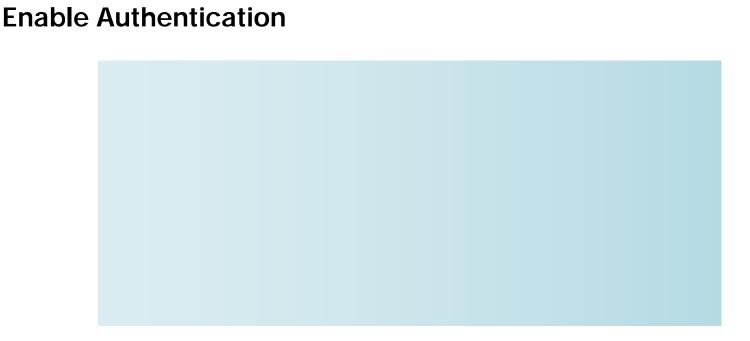
Preface August 2014 Series

Design Overview



Step 15: From the Administration menu, choose System, and then choose Deployment.

Step 16: In the Deployment pane, click the gear icon, and then select



Tech Tip

Each network device can be configured individually, or devices can be grouped by location, by device type, or by using IP address ranges. The other option is to use the Default Device to configure the parameters for devices that aren't specifically configured. All network devices in this example use the same key, so for simplicity, this example uses the Default Device.

Step 2:



Step 7: Select the check box next to the new request, and then click Export.



Step 8: Save the file to your local machine. You use this file in a later procedure to generate a certificate on the CA for Cisco ISE.

Procedure 5 Download CA root certificate

Step 1: Browse to https://ca.cisco.local/certsrv, and log in using an account with authority to generate

Step 8: Select DER encoded, click Download certificate, and then save the certificate to your local machine.



Procedure 7

Install trusted root certificate in Cisco ISE

- Step 1: Connect to https://ise-1.cisco.local.
- Step 2: Navigate to Administration > System > Certificates.





Step 6: On the left, under Certificate Operations, select Certificate Signing Requests.

Step 7:

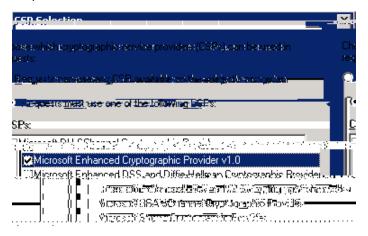
Step 8: Give the sequence a meaningful name.



Step 6: On the Request Handling tab, select Allow private key to be exported, and then click CSPs.

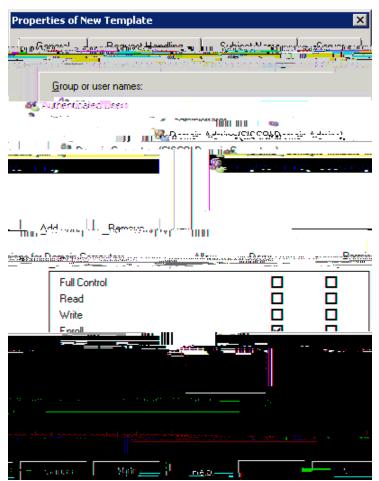


Step 9: Clear all other selections, and then click OK.





Step 10: On the Security tab, click Domain Computers.



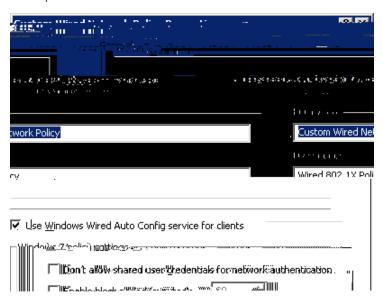
Step 4: For compatibility, leave the default

Step 14: In the Certificate Authority console, right-click

Step 3:

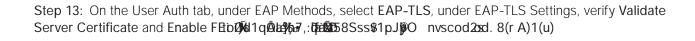
Step 2: In the left pane, expand Forest: [local domain] >

Step 4: In the New Wired Network Policy Properties box, on the General tab, give the policy a name and description.



Step 5: Verify that Use Windows Wired Auto Config service for clients is selected.

Step 6: On the Security tab, verify that Enable of IEEE 802.1X authentication for network access is selected.

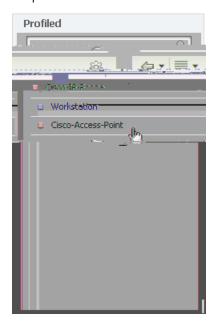


Step 13:

Step 5: From the list, next to **Endpoint Identity Groups**, click the > symbol, and then next to Profiled, click the > symbol.

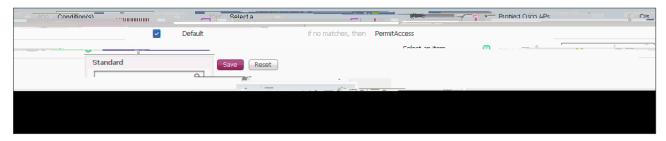


Step 6: Choose Cisco-Access-Point.



Step 7: Under the Permissions column, next to AuthZ Profile, click the + symbol.

Step 8: In the list, next to Standard, click the > symbol, and then choose Cisco_APs.



Step 9: On the rule, click Done, and then click Save. The updated Authorization Policy is displayed.

Enabling EAP Chaining

- 1. Enable EAP Chaining
- 2. Create authentication policy
- 3. Create authorization profile
- 4.

Step 6: In the DACL Name list, choose PERMIT_ALL_TRAFFIC, and then click Submit.



Procedure 4

Create authorization rule

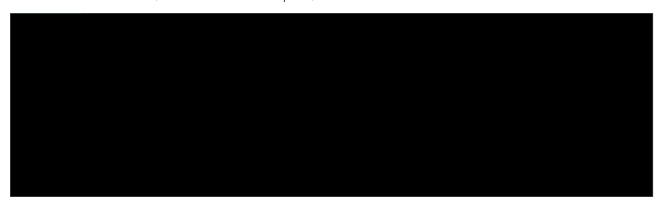
- Step 4: For Security Level, select Authenticating Network.
- Step 5: For Association Mode, choose WPA2 Enterprise (AES), and then click Next.
- Step 6: For Network Connection Type, select Machine and User Connection, and then click Next.
- Step 7: Under EAP Methods, select EAP-FAST.
- Step 8: Under Inner Methods based on Credentials Source, select Authenticate using a certificate.

PROCESS

Enabling Downloadable Access Lists

- 1. Add Active Directory groups to ISE
- 2. Create wired access list
- 3. Create authorization profile
- 4. Create authorization policy
- 5. Configure WLC for authorization

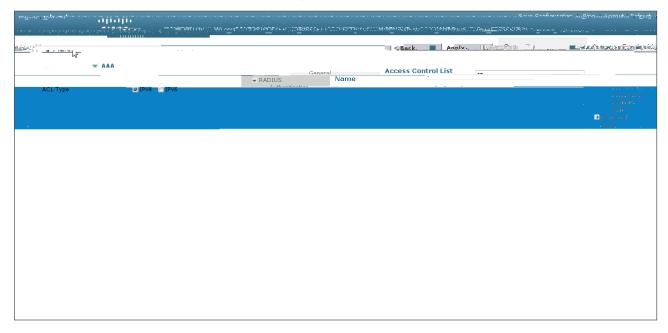
Step 2: In the left pane, navigate to Authorization > Downloadable ACLs, next to the folder icon click the Downloadable ACLs text, and then in the main pane, click Add.



- Step 3: Enter a name (Example: IT) and a description for the policy.
- Step 4: In the DACL content section, enter the ACL by using IOS syntax.
- Step 5: Click Check DACL Syntax to validate, and then click Submit

Step 4: In the Condition(s)

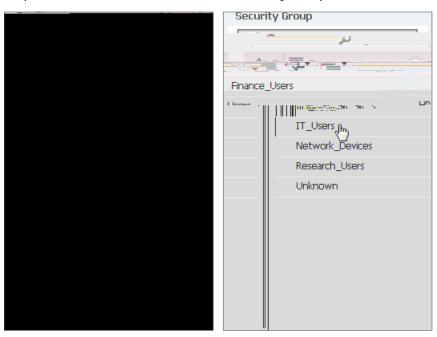
Step 4: Name the access list, and then click Apply.



Step 5:

Step 4: Click the + symbol in order to add a new permission.

Step 5: In the Select an Item list, select Security Group, and then select IT_Users.



Step 6: Click Done, and then click Save.

Step 7: For each policy you need to modify to support SGTs, repeat Step 2 through Step 6. In this example deployment, you modify the Fe10.26(u m)-6.6hG\(\beta \).4(f)-8(e)-08.8(8 Td 1 Tf21.632 0 Td(, a)-3.1(n)-7.1(d t)-6..6(e Fe13.

Step 4: In SXP State, select Enabled.

Step 5: Enter a Default Password, and then click Apply. This password must match what is configured on the peer.

Step 6: Click New.

Step 7:

Step 11: In the Interface Name

Step 9:

Procedure 4

Examining the authentication log

Step 1: In Cisco ISE, on the main menu bar, navigate to



Please use the