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About This Document

Cisco TrustSec Overview

The Cisco TrustSec solution simpli es the provisioning and management of network access control through the use of software-de ned segmentation to classify network tra c and enforce policies for more exible access

Use Cases

RETAIL: SEGMENTATION FOR PCI COMPLIANCE

Business Problem

A retail chain is required to comply with Payment Card Industry (PCI) standards where all devices that process

The hospital also needs to isolate medical devices used for patient care so that only authorized users, devices and servers have access to these medical devices.

Figure 4   *TrustSec for medical device segmentation*

FINANCE: BANK BRANCH NEEDS TO PROVIDE DIFFERENTIATED ACCESS FOR THE

LINE OF BUSINESS ACCESS CONTROL IN LARGE ENTERPRISES

Business Problem

New business risk and regulatory concerns require the business to implement security controls for users to the data center and within the data center:

- Users (and devices) should only be allowed to base services and corresponding line of business applications.

- Applications should be segregated by line of business as well as restricted within the line of business.

- Policies are automatically applied for partner/contractors for application and other services.

Solution

When the user first accesses the network, they authenticate. The switch or the wireless LAN controller (WLC) authenticates the user by using the Cisco Identity Services Engine (ISE), and the user is assigned a tag. The switch or WLC tags (with the SGT) the traffic from this user. The policy is enforced, based on the SGT, in the data center

Figure 9

Next Steps to Ensuring a Successful TrustSec Implementation

1. Based on the use cases outlined above, identify a use case that has realistic criteria for success and has demonstrable return on investment.

   • Model potential group relationships and high-level permissions for the use case.

   • Develop detailed permissions (speci c access control lists) o those relationships

2.

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