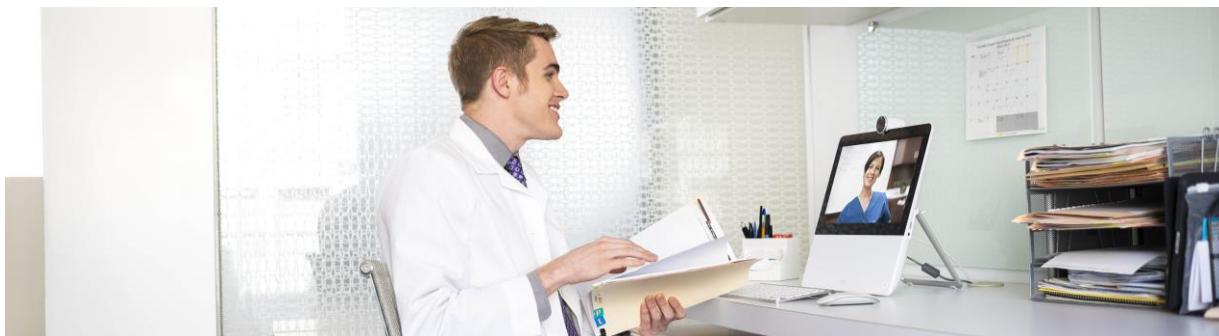


Gain Location-Based Services with Cisco ISE and Cisco MSE



Now you can give network access to users only when they're in a specific location. Protect confidential data by denying access when an individual leaves a board room, lab, or other designated area.

BENEFITS

- Apply granular control of network access with location-based authorization for individual users
- Enhance policy enforcement with automated location checks and reauthorizations
- Simplify management by configuring authorization with ISE tools

The days of employees tethered to desks are long gone. They move across the enterprise, room to room, floor to floor, building to building. At the same time, they use their laptops and other wireless devices to get stay connected and get their jobs done. Organizations need a single source of dynamic access control that adapts automatically and simply for this mobile workforce.

The Cisco® [Identity Services Engine \(ISE\) 2.0](#) now features integration with the [Cisco Mobility Services Engine \(MSE\)](#). Administrators can grant access to users based on their specific physical location. This ability adds another level of context by which access is authorized.

As We Move Around, Our Network Access Should Change Accordingly

Currently, the definition of "location" on the network is static. It is based on the network access device that a user came through to access the network. Even within a specific building, "location" hasn't been based on the geographic whereabouts of a user who may be moving around that building. You may want to control network access more precisely, however. For example, you might want to grant doctors in a hospital access to patient records or to certain applications during an emergency. But when those doctors work in the medical lab, you might want to limit their access to those same records or applications.

Securing Confidential Information

Network access by mobile devices is often critical for productivity as individuals move within a facility. Yet protecting confidential assets is equally important. Take for example the need to grant executives access to confidential information only in the boardroom, or denying access to healthcare professionals trying to access patient records while in the hospital cafeteria. Location-based network access allows you to give users access to certain files and data only while they're in the board room, the lab, or whatever the classified area may be. When an individual leaves the designated area, access to specific information is automatically denied, protecting corporate secrets and other confidential data.

Components

The location-based authorization enabled by the integration of the Cisco Mobility Services Engine with Cisco ISE 2.0 increases the granular control administrators have and their ability to be more sensitive in their access authorization. MSE will also help administrators enforce location-based policies by periodically checking for location change and automatically reauthorizing the user if a location change is detected. Finally, ISE 2.0 with MSE streamlines the configuration of location-based policies. You can define user access policies using the same management tools already available through ISE.

Main Features

The integration of Cisco MSE with Cisco ISE 2.0:

- Enables you to configure location hierarchy across all location entities
- Applies MSE location attributes to access requests to be used in your authorization policy
- Checks the MSE periodically (every 5 minutes) for location changes
- Reauthorizes access or updates the policy based on the new location

How It Works

A network administrator defines the location hierarchy and grants users specific access rights to specific data based on their location (Figure 1). These rights can vary by room, floor, or building as needed.

based on location is an important security and confidentiality measure. For example, if someone enters a conference facility to attend a meeting and brings a wireless IP camera, location-based network access can control the camera's ability to widely broadcast any confidential information that may be discussed by restricting the camera to a limited-access VLAN.

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Next Steps

To learn more about the Cisco Identity Services Engine, visit <http://www.cisco.com/go/ise>. For information about Cisco Mobility Services Engine, visit <http://www.cisco.com/go/mse>.

Or contact your Cisco Services sales representative or Cisco authorized channel partner for additional information or demonstration.



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