

## Cisco ISE Basic Terminologies:

### Identity:

- o In Cisco ISE Identity is the fact of being whom or what a user or device is.
- o Many factors make up identity, including employee's username & password.
- o In Cisco ISE the Identity is used to access corporate network resources and data.
- o In Cisco ISE Identity can be a username with password or Endpoints with details.

The screenshot shows the Cisco ISE Administration web interface. The top navigation bar includes 'Identity Services Engine', 'Home', 'Operations', 'Policy', 'Guest Access', and 'Administration'. The 'Administration' menu is expanded, showing 'System', 'Identity Management', 'Network Resources', 'Device Portal Management', 'pxGrid Services', and 'Feed S'. The 'Identity Management' menu is further expanded, showing 'Identities', 'Groups', 'External Identity Sources', 'Identity Source Sequences', and 'Settings'. The 'Identities' menu is selected, and the 'Users' sub-menu is highlighted. The main content area displays 'Network Access Users' with a table of users and their status.

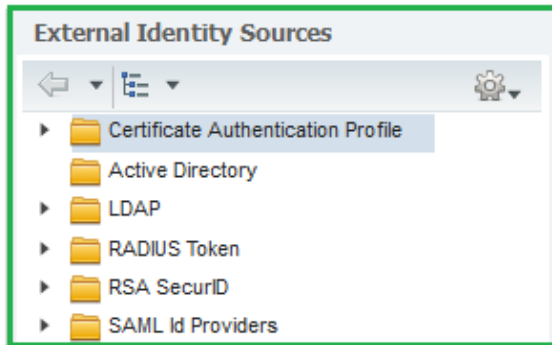
Status	Name	Description	First Name
<input checked="" type="checkbox"/> Enabled	admin1		
<input checked="" type="checkbox"/> Enabled	support1		
<input checked="" type="checkbox"/> Enabled	user1		

### Identity Stores:

- o Identity store is a database that authenticate a user's or an endpoint's credentials.
- o Identity Store is a store or database that is used to authenticate users or endpoints.
- o Identity store could be an internal database that resides on the AAA server.
- o Identity store could be an additional external database to connect.
- o Identity Stores can also be used for attributes required for authorizing policies.
- o Each individual identity store is also referred to as an identity source.
- o Both the Cisco ISE & Cisco Secure ACS are capable of using identity sources.
- o Both support internal identity databases as well as external identity databases.
- o External Identity stores are the external databases, which are used for authentication.
- o External identity sources include AD, LDAP, OTP servers, smart cards, and CAs.
- o Cisco ISE has internal user database for internal username and password accounts.
- o External identity store supported Cisco ISE is integration Microsoft Active Directory.

The screenshot shows the 'Users' section of the Cisco ISE Administration web interface. The 'Users' menu is highlighted. The main content area displays 'Network Access Users' with a table of users and their status.

Status	Name
<input checked="" type="checkbox"/> Enabled	admin1
<input checked="" type="checkbox"/> Enabled	supper1
<input checked="" type="checkbox"/> Enabled	user1



### Certificate Authentication Profile

Edit Add Duplicate Delete

☐ Name

☐ Preloaded\_Certificate\_Profile

### Local:

- o Cisco ISE has internal user database used for internal username & password accounts.
- o These user accounts stored in the internal user database are referred to as internal users.
- o Internal user database can be used as an internal identity store for local authentication.
- o Internal user database can be used for internal identity store for local authorization policies.
- o Users in the internal user database of Identity Services Engine are called internal users.

Identity Services Engine Home Operations Policy Guest Access **Administration**

System **Identity Management** Network Resources Device Portal Management pxGrid Services 1 Feed S

**Identities** Groups 2 External Identity Sources Identity Source Sequences Settings

3

EndPoints

**Users** 4

Latest Manual Network Scan Results

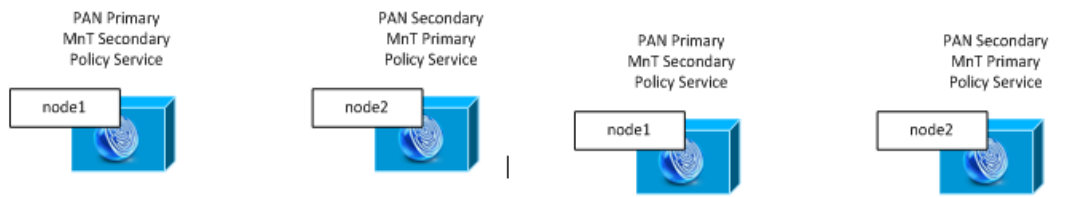
5

Network Access Users

Status	Name	Description	First Name
<input checked="" type="checkbox"/> Enabled	admin1		
<input checked="" type="checkbox"/> Enabled	support1		
<input checked="" type="checkbox"/> Enabled	user1		
<input checked="" type="checkbox"/> Enabled	user2		

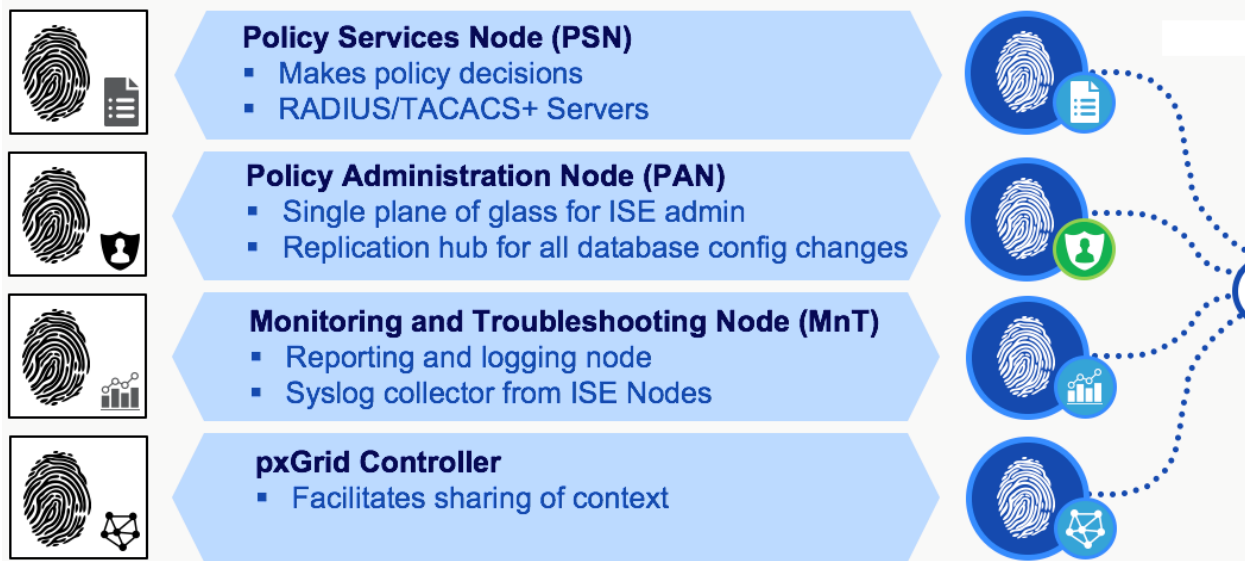
## Node:

A node is physical or virtual Cisco ISE appliance. A node is an individual instance that runs the Cisco ISE software. Cisco ISE is available as an appliance & also as a software that can be run on VMware. Each instance, appliance or VMware that runs the Cisco ISE software is called a node.



## Persona:

A Persona is the role the server is filling. The persona or personas of a node determine the services provided by a node. A Cisco ISE node can assume any of the following personas: Administration, Policy Service, Monitoring and Troubleshooting and pxGrid Controller.



## Service:

Service is a specific feature that a persona provides such as network access, profiling services, posture, security group access, monitoring and troubleshooting, and so on. MnT provides monitoring and troubleshooting services. PSN provides network access services, guest services, client provisioning services, RADIUS etc. An Administration Node provides administrative services, handling of policies, system related configurations

### Role:

Determines if a node is a standalone, primary or secondary node, and applies only to Administration and monitoring nodes.



### Node Type:

This depends on the persona(s) the node is running such as Administration, Policy Service, or Monitoring and Troubleshooting persona.

A node running policy service persona is a Policy Services Node (PSN).

A node running MnT persona is a Monitoring and Troubleshooting (MnT) Node.

A node running Administration persona is an Administration Node (PAN).

A node running pxGrid persona is a pxGrid Node.

Administration persona	→	PAN	=	Policy Administration Node
Policy Service persona	→	PSN	=	Policy Service node
Monitoring persona	→	MnT	=	Monitoring node
pxGrid persona	→	pxGrid	=	pxGrid node

