



Converged Access: Predeployment Checklist

This chapter provides information about the predeployment checklist that details the various components that are required for successfully deploying converged access, especially in the context of a branch deployment. While planning for converged access, the switch can act either as a Mobility Controller, Mobility Agent, or both. Multiple Mobility Agent switches can be grouped under a single Switch Peer Group (SPG) to form a mobility subdomain.

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Predeployment Checklist



Note

Before proceeding with the deployment, we recommend that you plan and design your mobility architecture and assign roles to each participating device in the mobility architecture. You must configure at least one Mobility Controller.

For more information about overall switch installation, refer to [Catalyst 3850 Switch Hardware Installation Guide](#).

The predeployment checklist provides the necessary information for deploying a switch at the access layer. In the access layer, a Cisco Catalyst 3850 Series Switch or Cisco Catalyst 3650 Series Switch must be configured as a Mobility Controller or a Mobile Agent, for it to provide all the functionalities of a full wireless controller.



Tip

On Cisco Catalyst 3850 Series and Cisco Catalyst 3650 Series Switches, stack the devices to achieve high availability and redundancy.

Table 1: Predeployment Checklist

Check List Item	Notes
Hardware	

Cisco Catalyst 3850, Cisco Catalyst 3650 Series switches	Role can be Mobility Controller or Mobility Agent.
Any supported AP	See Chapter 1, Solution Overview for information about supported APs.
Infrastructure	
Radius Server for Authentication	Cisco Identity Services Engine.
DHCP Server — For AP and Client IP addresses	External or Cisco IOS-XE DHCP Server
DNS Server	Any standard DNS Server
NTP Server	Any standard NTP Server
Software	
Cisco IOS-XE image	See Chapter 1, Solution Overview for information about software support.
License Level — IPBase or IPServices	See Chapter 4, Basic Configuration for information about licensing.
License	
AP licenses	See Chapter 6, Enabling Wireless for procedure related to license activation.

Initial Configuration Values Checklist

Use the following table to document the values that have to be configured before deployment:

Table 2: Initial Configuration Values Checklist

Check List Item	Value
Hostname	
DHCP Server IP Address	
Domain Name System (DNS) Server IP Address	
Network Time Protocol (NTP) Server IP Address	
TFTP Server Address	
Network Management IP Address	
Default Gateway IP Address	
RADIUS Server IP Address	
RADIUS Server Key	

Secure Shell (SSH) Login Credentials	
Wireless Management VLAN	
Wireless Management Interface IP Address	
WLAN Profile Names	
Wireless Client VLAN	

