

# Cisco Catalyst Center Air Gap

## Feature Behavior

If your environment enables air gap, the following features may not work in a similar behavior as when cloud connected.

- **Impacted:** All capabilities are not supported.
- **Partially Impacted:** Some capabilities are not supported and are specifically noted.
- Some of the features have provided workarounds.

Please note, this list is intended to capture the primary features and functions that are impacted by air gap. Cisco does not represent that this list is exhaustive; due to the nature of the air gap solution, there may be features or services that are impacted in whole or in part. If you have questions, feedback, or additional features, please contact your Account Team or email [ask-dnac-tme@cisco.com](mailto:ask-dnac-tme@cisco.com).

Table 1: Deployment Identifier

Category	Impact
Memberid	Partially Impacted: <ol style="list-style-type: none"> <li>1. If environment connects once to the cloud, allowing for connection to registration services, memberid will be made. Otherwise, if the environment begins in an air gap environment, a memberid will not be created.</li> </ol>

Table 2: AI/ML

Category	Impact
AI Network Analytics	Impacted
AI-Enhanced Radio Resource management	Impacted
Endpoint Analytics (EA)	Partially Impacted: <ol style="list-style-type: none"> <li>1. System Rule Updates (requires AVS NBAR cloud connection).</li> <li>2. CMDB Integration (requires Cisco Catalyst Center Platform-to-CMDB/SNOW connection).</li> <li>3. Machines Learning (ML) Clustering and AI Spoofing Detection (requires Kronos cloud connection).</li> <li>4. Talos block listed IP detection (requires Talos DF service cloud connection via DxHub).</li> </ol>
Security Rogue on Wire	Partially Impacted: <p>Automatic update of Organizationally Unique Identifier (OUI) is not functional. The OUI bundled in the package is always used. Updates come when Cisco Catalyst Center is updated.</p>

Table 3: AVC

Category	Impact
Application Classification	Partially Impacted: New signatures cannot be updated to classify given application, and Software as a Service (SaaS)-based applications cannot be detected.
Application Identification	
Application Visibility	
Application Experience	
Controller Based Application Recognition	

Table 4: Day 0 Provisioning

Category	Impact
Plug and Play (PnP) Connect	Impacted: Integration with Cisco PnP Connect smart/virtual accounts (such as cloud redirection, import of devices) is not available in an air gap environment.  **Traditional PnP is still supported

Table 5: Help and Support

Category	Impact
Cisco.com Documentation	Impacted
WalkMe	Impacted

Table 6: Integrations

Category	Impact
APIs	Partially Impacted: Newer versions of APIs not available unless Cisco Catalyst Center version is upgraded.
Cisco Spaces	Impacted
Integrating an IP address Management	Partially Impacted
Identity Service Engine Network Access Control pxGrid	Partially Impacted: Must be reachability between ISE and the Network Devices, Catalyst Center, Active Directory or other directory sources used for Auth functions, and any target systems that are integrated through pxGrid/APIs.
Meraki/Cisco Catalyst Center Integration	Impacted
Microsoft Teams	Impacted
Stealthwatch	Impacted
Talos	Impacted
Thousand Eyes	Impacted
User-Defined Network	Impacted
Umbrella	Impacted
vManage	Impacted
Webex360	Impacted

Table 7: Licensing

Category	Impact
License Manager	<p>Partially Impacted:</p> <p>If Smart Account (SA) is added:</p> <ol style="list-style-type: none"> <li>1. Visualization of licenses from Cisco Smart Software Manager (CSSM) does not work.</li> <li>2. Smart License registration does not work in Direct/Proxy mode.</li> <li>3. Smart Licensing using Policy (SLP) workflow does not work.</li> </ol> <p>Workaround: If customers install Satellite (on-prem SSM) in their network, they can integrate it with Cisco Catalyst Center and perform all above licensing operation (except CCO and SLP workflow).</p>

Table 8: Machine Reasoning Engine

Category	Impact
Advanced Field Notices	Impacted - Cloud Only
Advanced Network Bug Identifier	Impacted - Cloud Only
Advanced Security Advisories	Impacted - Cloud Only
Advanced Field Notices	Impacted - Cloud Only
End of 'X' (EoX) Milestones	Impacted - Cloud Only
Integrity Verification	Partially Impacted - Manual KGV File Update Required
Security Advisory	Partially Impacted - Manual KGV File Update Required
Network Reasoner	Partially Impacted - Manual KGV File Update Required
RadKit/Lazy Maestro	Impacted - Cloud Only

Table 9: Reporting

Category	Impact
Assurance Reports	Partially Impacted: Flexible reporting to pull information from a past date cannot be collected.
Journey Map	Partially Impacted: Progress will show for items that do not require cloud connection. All criteria must be completed within each category.
Runtime Dashboard	Partially Impacted
SLA Dashboard	Impacted

Table 10: Software-Defined Access

Category	Impact
Software-Defined Access (SDA)	Partially Impacted: As long as SDA Solution elements like DHCP server, ISE/AAA servers, and ITSM are all within an air gap network, SDA works.

Table 11: Services

Category	Impact
App Hosting	Partially Impacted: Automatic detection of newer versions of the apps does not work, because this requires connectivity to check the app version availability. Check app source for latest versions. Application functionality should continue to work.
DxHub	Impacted
NE Portal	Impacted
Wireless Maps (not including floor plans)	Partially Impacted: <ol style="list-style-type: none"> <li>1. Cisco Spaces: Connect only if user configures it, which is not possible without an internet connection.</li> <li>2. MapBox: If the client has internet access, then maps can update. Otherwise, connection attempted on each Ekahau Map import only if Ekahau project declares Lat/Long coordinates for the building.</li> </ol>

Table 12: Software Image Management (SWIM)

Category	Impact
Image Repository	Partially Impacted: <ol style="list-style-type: none"> <li>1. Swim CCO sync does not work. No latest/suggested images in image repo.</li> <li>2. Customer can choose to download from CCO and manually upload to image repository. One-time CCO connection must be made.</li> <li>3. Known Good Values (KGV) image verification must manually upload this data.</li> <li>4. Service Entitlement check does not work. It is a warning.</li> </ol>
SWIM	

Table 13: Telemetry

Category	Impact
Make a Wish	Partially Impacted: Feedback collected on-premise and not reported back to Cisco Catalyst Center's repository.
Pendo Telemetry Collection	Impacted
Sense	Impacted
Product Usage Telemetry (Controller)	Impacted