

# Pre-Installation Requirements Explained for ACC

ACC-Requirements Document

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## Component and Background

### AirWatch Cloud Connector

AirWatch Cloud Connector (ACC) provides organizations the ability to integrate AirWatch with their back-end enterprise systems. This document explains the placement of the ACC for a SaaS deployment. It also addresses the Software, Hardware and Network Rules required for successful installation and configuration of the ACC.

### Integration Components

ACC integrates with the following internal components:

1. Email Relay (SMTP)
2. Directory Services (LDAP/AD)
3. Email Management Exchange 2010 (PowerShell)
4. BlackBerry Enterprise Server (BES)
5. Lotus Domino Web Service (HTTPS)
6. Syslog (Event log data)

### Network Placement of ACC

1. ACC is usually placed in a customer's internal network.
2. When certificate integration is required, the ACC must belong to the same domain as the Certificate Authority.

### Proxy Support

If you plan on proxying ACC traffic through an outbound proxy. You can configure the proxy and provide respective information during the ACC install.

## Software and Hardware requirements

The software requirements list the supported Server Types, Operating System and the Additional Requirements for an ACC install.

### SOFTWARE REQUIREMENTS

Server Type	Physical or Virtual
Operating System	Windows Server 2008 R2 or Windows Server 2012 or Windows Server 2012 R2
Additional Requirements	Install PowerShell 3.0 on the Server.
	Install .NET Framework 4.5.2 on the Server

### HARDWARE REQUIREMENTS

Physical or Virtual	Cores and Processor	1 CPU Core (2.0+ GHz)* *An Intel processor is required.
	RAM	2 GB RAM or higher
	Hard Disk Space	1 GB disk space for the ACC application, Windows OS, and .NET runtime.
	Additional requirements	AirWatch recommends an additional 5 GB of disk space for use with logging.

## Network Rules

Connection Initiator- ACC

### NETWORK RULES TO AIRWATCH COMPONENTS

Source	Destination in the cloud	Port	Protocol
ACC	AWCM	443	HTTPS
	AirWatch API		
	AirWatch Admin Console	80 or 443	HTTP or HTTPS
	CRL	80	HTTP

**Notes:**

1. The ACC initiates the connection to AWCM (AirWatch Cloud Messaging) and the AirWatch API located in the SaaS Datacenters over port 443.
2. The ACC should be able to communicate with the AirWatch Admin Console over ports 80 or 443.

**Optional Rules**

**NETWORK RULES TO INTERNAL COMPONENTS**

Source	Internal Component	Port	Protocol
ACC	SMTP	25	SMTP
	LDAP	389,636,3268 or 3269	LDAP/LDAPS
	SCEP	80 or 443	HTTP or HTTPS
	ADCS	135, 1025-5000, 49152-65535	DCOM
	BES	80 or 443	HTTP or HTTPS
	Exchange	80 or 443	HTTP or HTTPS

**Note:**

Depending on the integration we are trying to achieve, the ACC needs to be able to communicate with the respective components using the protocol and the mentioned port.

**Service Accounts**

Depending on the kind of integration you are performing you might need a Service Account with appropriate permissions. Please talk to the AirWatch consultant regarding a service account during your deployment.

## Sizing and Scalability

Number of Users	CPU Cores	RAM per Server
Up to 10k	2	4
10k-50k	2	4
50k-100k	2-3 load balanced servers with 2 CPU Cores	8
100k to 200k	2-3 load balanced servers with 4 CPU Cores	16

**Note:**

ACC traffic is automatically load-balanced by the AWCM component. It does not require a separate load balancer. Multiple ACCs in the same organization group that connect to the same AWCM server for high availability can all expect to receive traffic (a live-live configuration). How traffic is routed is determined by AWCM and depends on the current load.

