

Description of Components used in Diagrams

MobiControl Device Agent is the MobiControl software which resides on mobile devices. Device Agents communicate with the MobiControl Deployment Service and are responsible for installing/uninstalling packages, and policies as well as sending real-time data to the MobiControl Deployment Service.

MobiControl Web Console is the web based console that can be used to manage mobile devices. The Web Console uses HTTPS to communicate back to the Deployment Service so you can view and control your devices in real time.

MobiControl Web Console OCX (Remote Control) is an OCX ActiveX plugin that is utilized by the web console for remote controlling into devices.

MobiControl Manager Console is a thick client version of the MobiControl Web Console. The MobiControl Manager Console can be installed on desktops or notebook computers in your network.

MobiControl Deployment Service is responsible for interacting with devices and executing deployment and device configuration rules that have been configured from the MobiControl console. The Deployment Service also makes real-time information about devices available to console users.

MobiControl Management Service is a web server that communicates with the Deployment Service and the Database and serves up web pages to the web console.

MobiControl Exchange ActiveSync Filter is a secure email Access filter. It intercepts Exchange ActiveSync requests and only allows legitimate traffic through to go to the Exchange ActiveSync server. This component is used to block unauthorized devices/users from gaining access to email.

Microsoft SQL Server is used to store configuration information and data that is used by MobiControl to manage mobile devices. MobiControl stores configuration information, packages policies and other data in the database. MobiControl supports SQL Server 2005, and 2008.

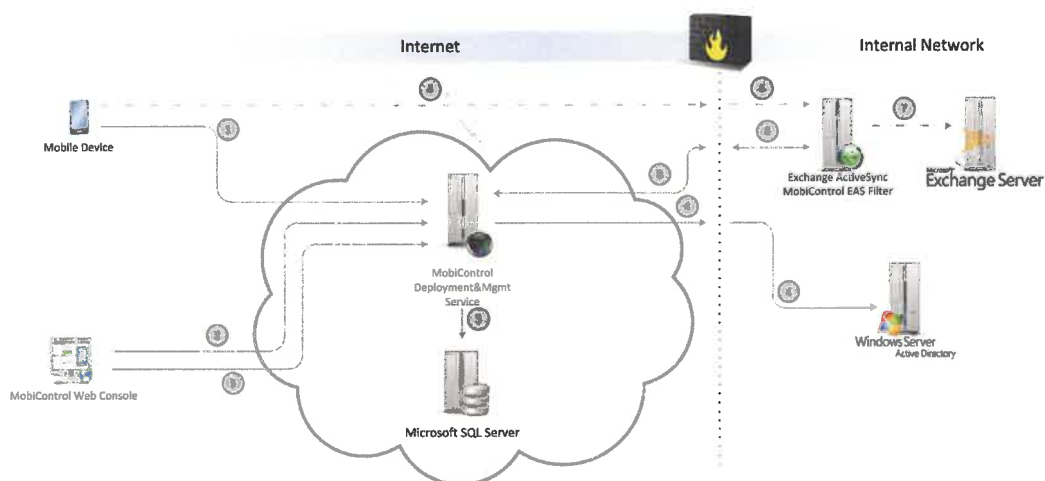
Active Directory Integration

In order for MobiControl to authenticate against your Active Directory server, it will open a connection over 686 (SSL) to your AD server using a provided username and password to authenticate the connection. Once this connection has been established, MobiControl will perform the required user authentication. This process can happen over a VPN connection if required by Walmart.

Because this communication is SSL secured, the AD server will need to be a trusted server with a valid SSL certificate. If this is a self-signed certificate, we would require a copy of the root certificate to be installed on our Cloud server. If the SSL certificate has been issued by a trusted authority like VeriSign, then this is not required.

We also have an alternate means to perform this authentication if this is not suitable for your needs.

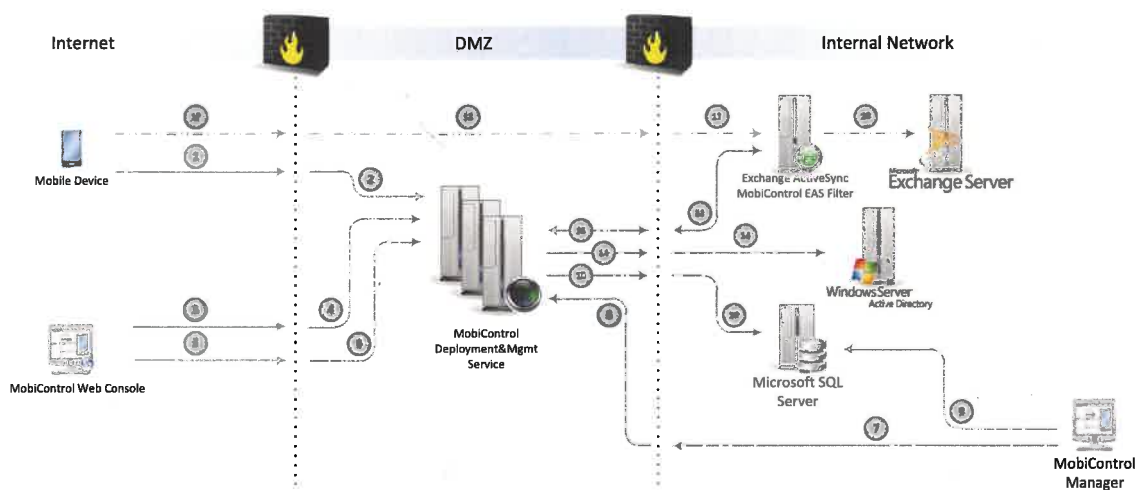
SOTI Cloud Network Diagram



Network Connection Details

	Protocol	Port
1. MobiControl Device Agent connects to MobiControl Deployment Service	Binary	5494
2. MobiControl Web Console connects to MobiControl Management Service	Binary	443
3. MobiControl Web Console Remote Control OCX uses MobiControl Management Console Communication Address to reach public DNS Firewall	Binary	5494
4. MobiControl Deployment Service/Management Service connects to Microsoft Active Directory Server	LDAPS	636
5. MobiControl Deployment Service and Management Service connect to the SQL Database	Binary	1433
6. Device connects to Exchange ActiveSync Server (EAS) to retrieve email	Binary	443
7. Exchange ActiveSync Server communicates with Exchange Server	Binary	443
8. Exchange Filter connects to Exchange Filter Service (running with Management Service)	Binary	443

SOTI On-Premise Network Diagram



Network Connection Details

	Protocol	Port
1. MobiControl Device Agent connects to Public DNS Firewall	Binary	Any
2. Firewall forwards traffic to MobiControl Deployment Service	Binary	<u>5494</u>
3. MobiControl Web Console connects to Public DNS Firewall	Binary	ANY
4. Firewall/Gateway port forwards traffic on designated inbound ports to ports on host computer running MobiControl Service	HTTP/HTTPS	80/443
5. MobiControl Web Console Remote Control OCX uses MobiControl Management Console Communication Address to reach public DNS Firewall	Binary	Any
6. Firewall/Gateway port forwards traffic on designated inbound ports to ports on host computer running MobiControl Service	Binary	<u>5494</u>
7. MobiControl Manager and Remote Control Consoles connects to Internal Firewall	Binary	Any
8. Firewall/Gateway port forwards traffic on designated inbound ports to ports on host computer running MobiControl Service	Binary	<u>5494</u>
9. MobiControl Management Console connects to Microsoft SQL Server	Binary	1433
10. MobiControl Deployment Service and Management Service connect to the SQL Database	Binary	1433
11. Exchange Filter connects to Exchange Filter Service (running with Management Service)	Binary	443
12. Device connects to Exchange ActiveSync Server (EAS) to retrieve email	Binary	443
13. Exchange ActiveSync Server communicates with Exchange Server	Binary	443
14. MobiControl Deployment Service/Management Service connects to Microsoft Active Directory Server	LDAP/LDAPS	389/636

NOTE: Underlined port numbers are not configurable, all others are.