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Integration Reference Manual

Configuring SIP Server HA

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Configuring SIP Server HA

To configure SIP Server HA, complete the following steps:

1. **Configure Host objects** for primary and backup SIP Server applications.
2. **Configure primary and backup SIP Server applications.**

Configuring Host objects

Purpose

To configure a Host object for the computer on which a primary SIP Server application runs and to configure a Host object for the computer on which a backup SIP Server application runs.

Start

1. In Configuration Manager, right-click the Environment > Hosts folder and select New > Host.
2. On the General tab:
 - a. Enter the name of the host for the primary SIP Server application—for example, 192.168.167.125.
 - b. Enter the IP address of the host—for example, 192.168.167.125.
 - c. Select the type of operating system from the OS Type drop-down list, and enter its version, if known.
 - d. Enter the LCA port number or accept the default (4999) to be used by the Management Layer to control applications running on this host.
3. Click OK.
4. Right-click the Environment > Hosts folder and select New > Host.
5. On the General tab:
 - a. Enter the name of the host for the backup SIP Server application—for example, 192.168.167.126.
 - b. Enter the IP address of the host—for example, 192.168.167.126.
 - c. Select the type of operating system from the OS Type drop-down list, and enter its version, if known.
 - d. Enter the LCA port number or accept the default (4999) to be used by the Management Layer to control applications running on this host.
6. Click OK.

End

Next Steps

- [Configuring primary and backup SIP Server applications](#)

Configuring primary and backup SIP Server applications

Purpose

To configure primary and backup SIP Server applications.

Note: To configure SIP Server to use TLS encryption, refer to the Transport Layer Security for SIP Traffic section in the [Framework 8.1 SIP Server Deployment Guide](#).

Start

1. Open the primary SIP Server application.
2. Click the Server Info tab, and then specify the Host you created for the primary SIP Server application—for example, 192.168.167.125.
3. Click the Options tab. In the TServer section, set options as specified in the following table:

Configuration Options for a Primary SIP Server Application

Option Name	Option Value	Description
sip-address	String	Set this option to the value of the BIG-IP LTM Virtual IP address, which is the destination address for all incoming SIP messages. In our example, this would be 192.168.166.238.
sip-port	5060	Set this option to the value of the port on which SIP Server listens to incoming SIP requests. The same port number is used for both TCP and UDP transports. The port of the Virtual Server configured on BIG-IP LTM for SIP communications with SIP Server over UDP and TCP must match this value. In our example, this would be 5060.
sip-interface	String	Set this option to the value of the host physical IP address where the primary SIP Server runs. In our example, this would be 192.168.167.125.
internal-registrar-enabled	true, false	Set this option to true.
internal-registrar-persistent	true, false	Set this option to true.
sip-hold-rfc3264	true, false	Set this option to true.

4. When you are finished, click OK.
5. Open the backup SIP Server application.
6. Click the Server Info tab, and then specify the Host you created for the backup SIP Server application—for example, 192.168.167.126.
7. Click the Options tab. In the TServer section, set options as specified in the following table:

Configuration Options for a Backup SIP Server Application

Option Name	Option Value	Description
sip-address	String	Set this option to the value of the BIG-IP LTM Virtual IP address, which is the destination address for all incoming SIP messages. In our example, this would be 192.168.166.238.
sip-port	5060	Set this option to the value of the port on which SIP Server listens to incoming SIP requests. The same port number is used for both TCP and UDP transports. The port of the Virtual Server configured on BIG-IP LTM for SIP communications with SIP Server over UDP and TCP must match this value. In our example, this would be 5060.
sip-interface	String	Set this option to the value of the host physical IP address where the backup SIP Server runs. In our example, this would be 192.168.167.126.
internal-registrar-enabled	true, false	Set this option to true.
internal-registrar-persistent	true, false	Set this option to true.
sip-hold-rfc3264	true, false	Set this option to true.

8. When you are finished, click OK.

End