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SIP Cluster Solution Guide

Configuring Orchestration Server

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Configuring Orchestration Server

1. Deploy ORS applications as an HA pair, Warm Standby redundancy mode, by following the standard procedure. (See the [Orchestration Server Deployment Guide](#).) Each SIP Cluster Node must be served by a dedicated ORS cluster. A dedicated Cassandra ring must be deployed for each ORS cluster.
 - Suggested application names: **ORS_<datacenter>_1**, **ORS_<datacenter>_1_B**.
2. On the **Connections** tab, add the following connections:
 - **confserv_proxy_<datacenter>**—Set to the following parameters:
 - Connection Protocol: addp
 - Trace Mode: Trace On Both Sides
 - Local Timeout: 60
 - Remote Timeout: 90
 - **MessageServer_<datacenter>**—Set to the following parameters:
 - Connection Protocol: addp
 - Trace Mode: Trace On Both Sides
 - Local Timeout: 7
 - Remote Timeout: 11
 - **SIPS_<datacenter>_1** (the primary SIP Server, the default port)—Set to the following parameters:
 - Connection Protocol: addp
 - Trace Mode: Trace On Both Sides
 - Local Timeout: 7
 - Remote Timeout: 11
 - **SIPS_VQ_<datacenter>** (the VQ SIP Server, the default port, located in the same data center as ORS)—Set to the following parameters:
 - Connection Protocol: addp
 - Trace Mode: Trace On Both Sides
 - Local Timeout: 7
 - Remote Timeout: 11
 - **URS_<datacenter>_1** (the primary URS)—Set to the following parameters:
 - Connection Protocol: addp
 - Trace Mode: Trace On Both Sides
 - Local Timeout: 7
 - Remote Timeout: 11
3. On the **Options** tab, create the **[gts]** section. In the **[gts]** section, add the **cluster-skip-cfg-event**

option and set it to 0.

Important

To create a high performance solution, the number of ORS pairs per SIP Cluster Node can be increased.

Configuring ORS to Reduce URS CPU Usage

URS CPU usage can be reduced to improve performance if required, by:

- Disabling registration of VQ DNs on ORS.
- Having certain SCXML functions to be executed in ORS instead of URS.

The following options must be configured to reduce URS CPU usage:

- **[orchestration]\support-dn-type-5=0** (to prevent ORS from registering VQ DNs)
- **[orchestration]\functions-by-urs=false** (to enable some SCXML functions to be executed on ORS instead of URS)