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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)