SIP Cluster Solution Guide

Configuring Universal Routing Server

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1. Deploy URS applications as an HA pair, Hot Standby redundancy mode, by following the standard procedure.
   - Suggested application names: **URS_<datacenter>_1**, **URS_<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 URS)—Set to the following parameters:
     - Connection Protocol: addp
     - Trace Mode: Trace On Both Sides
     - Local Timeout: 7
     - Remote Timeout: 11
   - **SS_<datacenter>_1** (the primary Stat Server)—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, configure the following options in the **[default]** section:

- **default_stat_server**=SS_<datacenter>_1 (the name of the primary Stat Server application for this URS node)
- **agent_reservation**= true

Option descriptions

The **agent_reservation** and **environment** options are configured in the **[default]** section of the URS application.

agent_reservation

Default Value: false
Valid Values: true, false, implicit
Changes Take Effect: Immediately

Enables two or more Universal Routing Servers to work cooperatively by preventing them from trying to route to the same target. To turn agent reservation on, this option must be set to true or implicit for URS. Explicit agent reservation (value set to true) is recommended. Implicit agent reservation doesn't support blended or multimedia agents. In case of explicit agent reservation, this option can be provided at the T-Server level to set T-Server reservation priority.

See Agent Reservation in SIP Cluster and the Universal Routing 8.1 Reference Manual for additional details on this option.

environment

This option is configured at the URS Application-level.

Default Value: None
Valid Values: A comma-separated list of tags
Changes Take Effect: On restart

In case of explicit agent reservation, when this option is set to sitex, URS applies the **geo-location** setting of VQ SIP Servers (in addition to their priority) when selecting the VQ SIP Server to be used for agent reservation. If the **geo-location** is not specified, only the VQ SIP Servers priorities are used for selecting a VQ SIP Server for agent reservation.

For more information on this, see Agent Reservation in SIP Cluster.