# Solace Monitoring Dashboard: Bridges

A Solace message bridge directly connects two vpn with each other, for direct exchange of messages. Bridge traffic can be configured either uni- or bidirectional.

Dashboard "Solace bridges" lists all messaging bridges of one broker instance and their respective state.

Technical details on messaging bridges can be found at https://docs.solace.com/Overviews/Message-VPN-Bridges-Overview.htm
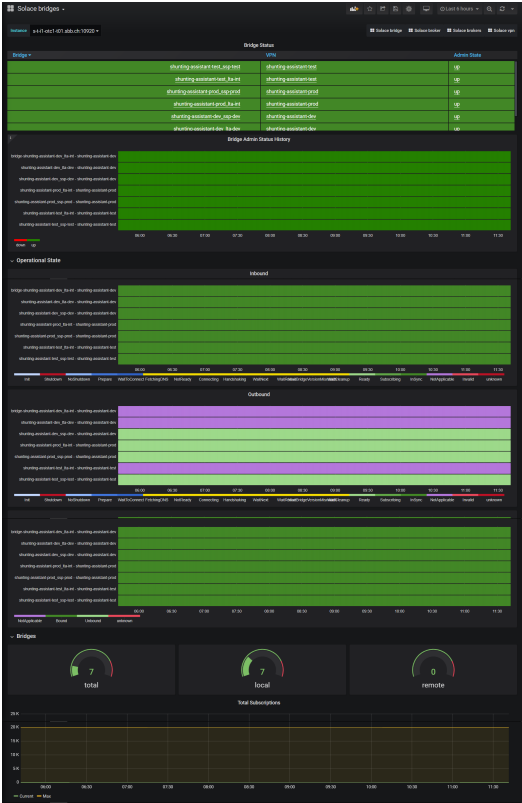
The drop downs on top allow for selection of broker instance.

Though a bridge is specific for two vpn to connect each other, and configuration is done on each of the vpn, monitoring of bridges is available on a broker instance level seperately from vpn.

Bridges are between vpn of two solace broker instances (Remote bridge) or between two vpn on the same solace broker instance (Local bridge). Therefore, in the list of bridges a local bridge may appear twice, one time for each vpn.

Metric	Possible Values	Description	Typical Actions
Bridge status	textual (green or red)	The table "Bridge status" lists the current administrative status of all bridges available to a solace message broker instance. The list is with: • name of a bridge endpoint. The naming pattern indicates the both vpn it connects. • name of the vpn one bridge endpoint is configured with • administrative status of the bridge endpoint	Unless dedicated maintainance activity is in progress, the admin state should always be "Up" for all bridge endpoints. The table allows for quick navigation into for details of one of the Bridge endpoints.
Bridge Status History	As from above, but with historic data	"Bridge Admin Status History" lists the administrative status for each bridge endpoint, over time	The bar indicates periods where a bridge would have not been available.

Inbound	textual	Provides an overview on the availability of the bridge channel over time. Possible indicators are: "init" - The connection is initializing. "disabled" - The connection is disabled by configuration. "enabled" - The connection is enabled by configuration. "prepare" - The connection is operationally down. "prepare-wait-to-connect" - The connection is waiting to connect. "prepare-fetching-dns" - The domain name of the destination node is being resolved. "not-ready" - The connection is operationally down. "not-ready-connecting" - The connection is trying to connect. "not-ready-handshaking" - The connection is handshaking. "not-ready-wait-next" - The connection failed to connect and is waiting to retry. "not-ready-wait-reuse" - The connection is closing in order to reuse an existing connection. "not-ready-wait-bridge-version-mismatch" - The connection is closing because of a version mismatch. "not-ready-wait-cleanup" - The connection is closed and cleaning up. "ready" - The connection is operationally up. "ready-subscribing" - The connection is up and synchronizing subscriptions. "ready-in-sync" - The connection is up and subscriptions are synchronized.	
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Queue	Bound (green) Unbound (yellow) Unknown (red) Not Applicable	Monitor connectivity on queue over a bridge. Queue connectivity is a requirement for guaranteed message delivery across bridges.	
Bridge Quota total	Number with gauge to max	Total number of bridges in total, as currently configured with the broker instance.	The total number of bridges that can be configured with Solace is limited to 50. If that number would reach a critical count, the application would need to reconsider it's architecture.
Bridge Quota local	Number with gauge to max	Total number of local bridges, as currently configured with the broker instance.	The number of local bridges that can be configured with Solace is limited to 25. If that number would reach a critical count, the application would need to reconsider it's architecture.
Bridge Quota remote	Number with gauge to max	Total number of remote bridges, as currently configured with the broker instance.	The number of remote bridges that can be configured with Solace is limited to 25. If that number would reach a critical count, the application would need to reconsider it's architecture.