

solace CLI Reference Card

A guide to the most common, and most commonly asked about, CLI commands. For a complete guide go to solace.com/cli-docs

lagon
User Exec Level
 solace>show, [file commands],
 [help commands], ping

solace>enable
Privileged Exec Level
 solace#

solace# admin
Admin EXEC level
 Commands affect transient state

solace# configuration
Global CONFIG level
 Commands affect persistent state

Help

<code>?, <Tab>, tree</code>	Show all commands at current level
<code>??, help, tree all</code>	Show all commands at current and global levels
<code>partial-command<Tab></code>	Show matches or complete uniquely matched command
<code>command<space>?</code>	Detailed help

Show Things

Add *details* to arguments to get more information.

<code>show ip vrf [management msg-backbone]</code>	Show IP address
<code>show client</code>	Show connected messaging clients
<code>show queue</code>	Show queues
<code>show message vpn</code>	Show message VPN information
<code>show redundancy</code>	Show redundancy state
<code>show message-spool</code>	Show message spool state
<code>show version</code>	SoLOS version information
<code>show interface</code>	Show network information
<code>show log</code>	Read log files
<code>show hardware</code>	Show message router information

Interfaces & IP

<code>(configure)# create interface</code>	Make a virtual interface or LAG
<code>(configure)# no interface...</code>	Delete an interface
<code>(configure/interface)# member</code>	Add a LAG or physical interface to a LAG
<code>(configure/interface)# primary-member</code>	Select which active/backup LAG member is primary
<code>(configure/ip/vrf/interface)# ip-address</code>	Assign IP address to interface (appliance only)

Clear Statistics

<code># clear</code>	Clear statistics counters. Can be at the global, message-vpn, client, queue or other object level. E.g. <code>clear client-username default stats</code>
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Redundancy

<code>(configure/redundancy)# release-activity</code>	Permanently refuse activity
<code>(configure/redundancy)# no release-activity</code>	Stop refusing activity
<code>(admin/redundancy)# revert-activity</code>	Give away activity, but accept activity back if mate asks

Messaging Clients

<code>(configure)# create client-username</code>	Create a messaging client username
<code>(configure)# no client-username</code>	Delete a messaging client username
<code>(configure)# create client-profile</code>	Create a profile for client username characteristics
<code>(configure)# create acl-profile</code>	Create ACLs

VMR-Specific Commands

<code>sysadmin] solacectl -h</code>	Get help on managing the Solace container
<code>[sysadmin] solacectl cli</code>	Enter SoLOS CLI
<code>[sysadmin] solacectl gather-diagnostics</code>	Create support debug bundle
<code>[sysadmin] solacectl service ...</code>	Start/stop solace service
<code>[sysadmin] sudo docker exec -i -t <vmr hostname> /bin/bash</code>	Get root access shell on Linux Host
<code>[sysadmin] sudo docker exec -i -t <vmr hostname> passwd root ...</code>	Change VMR root password. ESSENTIAL for cloud deployments.

Navigate CLI

<code>exit</code>	Up one level of command hierarchy
<code>end</code>	Back to # level
<code>home</code>	Back to > level
<code>create [thing]</code>	Create an object
<code>no [thing] (e.g. no shutdown)</code>	Either delete the object, reset it to default values, or invert the operation

Saving Configuration

Run on the spool active message router

<code>show current-config...</code>	Create replay file of the configuration
<code># backup</code>	Create a local backup of the current configuration
<code>(configure)# schedule backup ...</code>	Automatic regular configuration backup
<code># copy ...</code>	Copy files on to or off of the message router

Create debug bundle for support

<code>(admin)# gather-diagnostics days of history</code>	On an appliance
<code>Yourhost> ssh -p 2222 sysadmin@<vmr ip address></code>	On a VMR
<code>[sysadmin@solace ~]\$ solacectl gather-diagnostics</code>	

Message VPNs

<code>(configure)# create message-vpn ...</code>	Create a message VPN
<code>(configure)# no message-vpn ...</code>	Delete a message VPN
<code>(configure/message-vpn)# authentication user-class client</code>	Set up the authentication Method

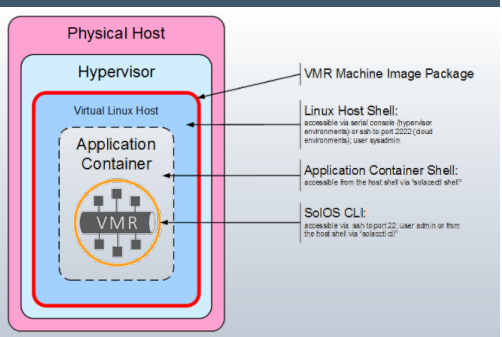
Endpoint Management

<code>(configure/message-spool)# create queue...</code>	Create a queue
<code>(configure/message-spool)# no queue...</code>	Delete a queue
<code>(configure/message-spool/queue)# subscription topic</code>	Change subscriptions on a Queue
<code>(admin/message-spool)# delete-messages</code>	Delete messages on an endpoint

User Management

<code>(configure)# create username ...</code>	Create an administrative user (<code>(configure)# create username ... password ... file-transfer</code>)
<code>(configure)# create client-username ...</code>	Create a messaging client user in a messaging VPN

VMR: Virtual Machine Image



Files, directories

<code>certs</code>	certificate files
<code>configs</code>	configuration backups
<code>loads</code>	SoLOS images
<code>logs</code>	log files
<code>>cd, dir, pwd</code>	Directory navigation
<code># rename</code>	Rename (move) files

Boot commands

All affect service, proceed with care. Follow the procedures in the release notes when upgrading your message router.

<code># reload</code>	Restart the message router
<code># reload [config default-config]</code>	Throw away the current configuration and use either the named configuration or factory defaults
<code># boot <version></code>	Change version, e.g. upgrade
<code># power-down</code>	Turn the router off, without restart

First Time Configuration

<code># setup</code>	
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VPN Bridges

Reminder: MNR links only transfer direct messages. VPN bridges are used for persistent message bridging as well as direct messages via subscriptions

<code>(configure)# create bridge ...</code>	Create a VPN bridge
<code>(configure)# no bridge ...</code>	Delete a VPN bridge
<code>(configure/bridge)# create remote message-vpn ...</code>	Assign a remote message VPN to the bridge
<code>(configure/bridge/remote/message-vpn)# message-spool queue ...</code>	Bind the bridge to a queue in the remote message VPN to draw guaranteed messages from the queue over the bridge.
<code>(configure/bridge)# subscription-topic</code>	Create subscriptions on the VPNbridge to draw direct messages over the bridge

Messaging Spool

<code>(configure)# hardware message-spool ...</code>	Set up the global message spool
<code>(configure/hardware/message-spool)# shutdown</code>	Stop all guaranteed messaging
<code>(admin/system/message-spool)# reset</code>	Delete all spooled messages and soft reset the message spool system. Use with care.
<code>(admin/message-spool)# delete-messages</code>	Delete currently spooled messages

VMR: Docker Image

