Genesys Voice Platform Private Edition Guide

Architecture - Resource Manager

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Introduction

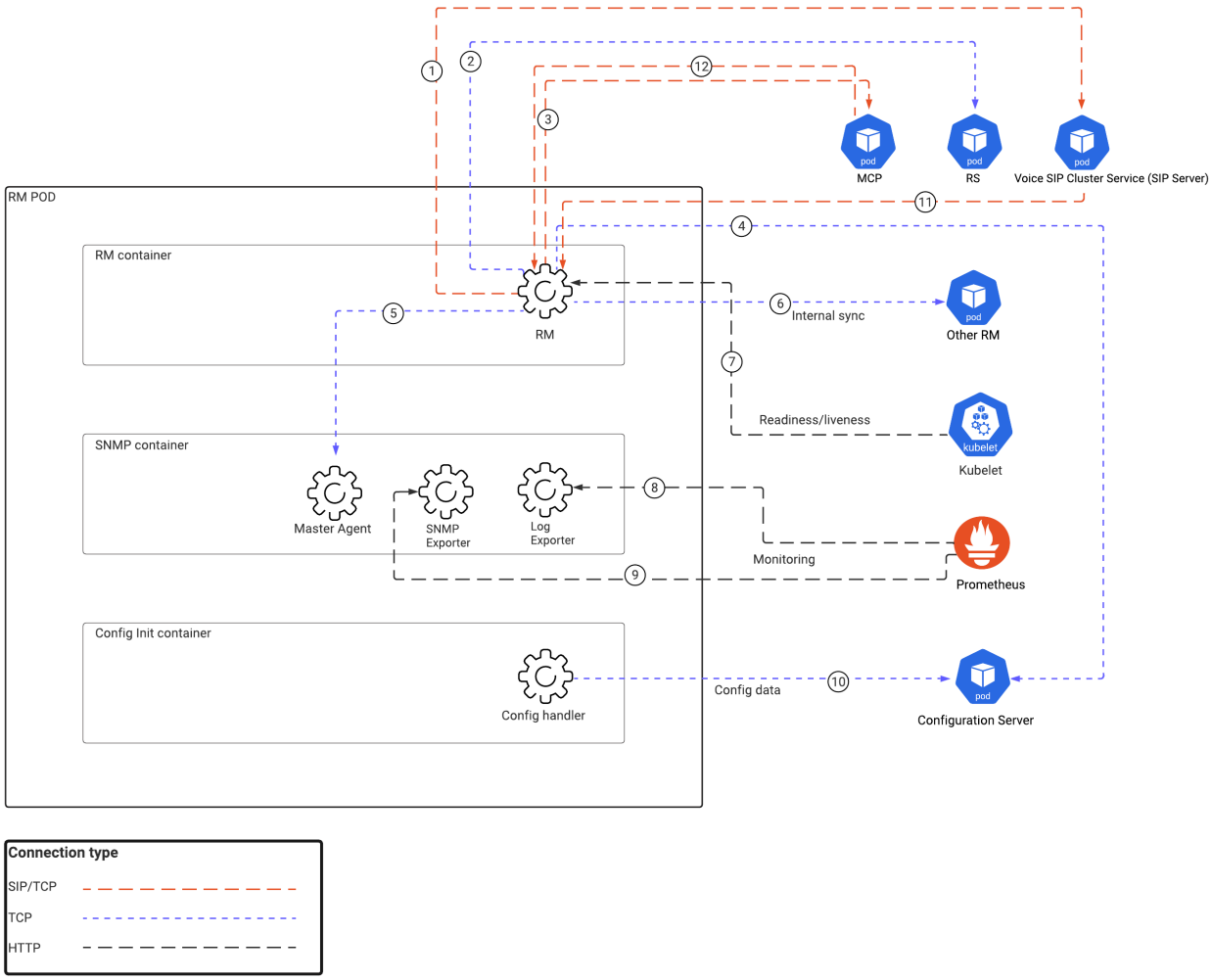
The following diagram displays the architecture for Resource Manager.

For information about the overall architecture of Genesys Multicloud CX private edition, see the high-level Architecture page.

See also High availability and disaster recovery for information about high availability/disaster recovery architecture.

Architecture diagram — Connections

The numbers on the connection lines refer to the connection numbers in the table that follows the diagram. The direction of the arrows indicates where the connection is initiated (the source) and where an initiated connection connects to (the destination), from the point of view of Genesys Voice Platform as a service in the network.



Connections table

The connection numbers refer to the numbers on the connection lines in the diagram. The **Source**, **Destination**, and **Connection Classification** columns in the table relate to the direction of the arrows in the Connections diagram above: The source is where the connection is initiated, and the destination is where an initiated connection connects to, from the point of view of Genesys Voice Platform as a service in the network. *Egress* means the Genesys Voice Platform service is the source, and *Ingress* means the Genesys Voice Platform service is the destination. *Intra-cluster* means the connection is between services in the cluster.

Connection	Source	Destination	Protocol	Port	Classification	Data that travels on this connection
1	RM	SIP Server	SIP/TCP	5090	Egress	SIP Protocol

Connection	Source	Destination	Protocol	Port	Classification	Data that travels on this connection
						messages.
2	RM	RS	TCP	61616	Egress	ActiveMQ messages. RM posts billing data to RS.
3	RM	MCP	SIP/TCP	5070	Egress	SIP Protocol messages.
4	RM	Config Server	TCP	8888	Egress	TCP messages. RM connects to GVP CS to get configuration data.
5	RM	SNMP Master Agent	TCP	1705	Egress	TCP Messages. RM posts SNMP metric and traps to SNMP MA.
6	RM	Other RM	TCP	9801	Egress	TCP messages. Internode communication between RMs.
7	Kubelet	RM	HTTP	8300		For liveness and readiness checks
8	Prometheus	Log Exporter	HTTP	8200	Ingress	HTTP messages. RM log metric upload to Prometheus.
9	Prometheus	SNMP Exporter	HTTP	9116	Ingress	HTTP Messages. RM custom SNMP metric upload to Prometheus.
10	Config handler	Config Server	TCP	8888	Egress	TCP messages. Config Handler container

Connection	Source	Destination	Protocol	Port	Classification	Data that travels on this connection
						connects to GVP CS to create RM application and LRG.
11	SIP Server	RM	SIP/TCP	5060	Ingress	SIP Protocol messages.
12	MCP	RM	SIP/TCP	5060	Ingress	SIP Protocol messages.