Operations

API Additions or Changes

No changes were introduced in this release.

MIB Additions or Changes

No changes were introduced in this release.

SNMP Alarm Additions or Changes

Note The alarms mentioned in Table 1: Alarm Additions, on page 1 have not been validated for all customer deployment scenarios. Please contact your Sales Account team for support.

The following table provides information on new alarms added in the 21.2.0 release:

Table 1: Alarm Additions

New Alarms	Release Included	Applicable Product(s)
APP_SERVICE_HEALTH_ STATUS_CRD	21.2.0	vDRA
APP_SERVICE_HEALTH_ STATUS_METADATA_DB	21.2.0	vDRA

New Alarms	Release	Applicable Product(s)
VIP_NOT_ACTIVE_ ON_PREFERRED	21.2.0	vDRA
PEER_DYNAMIC_RATE_ LIMIT_THROTTLING	21.2.0	vDRA
NO_DB_CPU_ THRESHOLD_STATUS	21.2.0	vDRA
QNS_LOGGING_ STOPPED	21.2.0	vDRA

For more information, see the following sections:

- *Application Notifications* table in the *CPS vDRA SNMP and Alarms Guide*

- *Sample Alert Rules* table in the *CPS vDRA SNMP and Alarms Guide*

Statistics/KPI Additions or Changes

The following tables provide information on new/modified statistics:

Table 2: Statistics Additions

Statistics Name	Description	Applicable Product(s)
app_service_health_status	Displays health status of the Application service. **Label:** service = CRD/METADATA_DB	vDRA
metadata_db_status	Displays health status of the Metadata DB. **Label:** metadata_db = drasessionsShardDB/ipv6ShardDB/ipv4ShardDB/ imsiApnShardDB/msisdnApnShardDB status = success/error Debug to be enabled: dra.stats.db	vDRA
topology_update_ msg_sent_total	The total number of messages sent for topology updates. **Label:** endpoint_revoked	vDRA

Statistics Name	Description	Applicable Product(s)
peer_dynamic_rate_ limit_throttling	Indicates that the dynamic throttling is applied to a peer. **Label:** peer **Value**: Current Throttle Percentage **Type**: Gauge **Note**　This KPI doesn't display the entire throttling percentage. This KPI displays only the percentage of throttling applied on existing message rate limit configuration. For example, if current Message Rate Limit is configured to 1000 and peer_dynamic_throttling KPI value is 55, then New Message Rate limit configuration value is 450.	vDRA
dra_db_cpu_message_ published_total	The number of DB CPU control messages published. **Label:**system, instance, endpoint type=THRESHOLD_ BREACH/NORMAL **Type**: Counter	vDRA
db_cpu_control_ message_fail	The number of DB CPU control messages publish failures. **Label:**system, instance, endpoint type=THRESHOLD_ BREACH/NORMAL **Type**: Counter	vDRA
processed_db_cpu_control_ message_total	The number of DB CPU control messages processed by Director. **Label:**system, instance, endpoint type=THRESHOLD_ BREACH/NORMAL **Type**: Counter	vDRA

Table 3: Statistics Modification/Changes

Statistics Name	Description	Applicable Product(s)
pcrf_binding_query_total	The total number of diameter messages that triggered PCRF session queries[1].	vDRA
pcrf_api_request_duration_ms	The response time in milliseconds (ms) for REST APIs that are sent to PCRF for session queries[2].	vDRA
pcrf_api_request_ send_total	The total number of REST API requests sent to PCRF for session queries[3].	vDRA

[1] New label *message_class* is added to monitor PCRF session query for WPS messages.

[2] New label *message_class* is added to monitor PCRF session query for WPS messages.

[3] New label *message_class* is added to monitor PCRF session query for WPS messages.