APPENDIX **A**

Predefined Data in Data Sources

Interactive reports rely on data sources for information. Data sources are models that allow you to connect to the database information to be presented in reports. Each model comprises a set of predefined data that can be viewed from an interactive report. This appendix lists the predefined data that is available for each data source.

This appendix contains the following sections:

Data Center Reports

Table A-1   *Data Center Report—Data Sources*

Report Name	Available Fields
Data Center Inventory	vCenter: • VCenter IP Address • VCenter DNS Name • VCenter Name Host • Host Name • Host Description • Host IP Address • Host DNS Name • Host Up Time • Core Count per CPU • Processor Description • NVRAM Size • RAM Size • Host Connection State • Host Communication State • Host Lifecycle State • Hypervisor Name • Hypervisor Type • Hypervisor Description • Hypervisor State • Hypervisor Software Type • Hypervisor Start Time • Hypervisor Version • VM Count

Table A-1   *Data Center Report—Data Sources (continued)*

Report Name	Available Fields
	Host Statistics
	• Host CPU Usage
	• Host Disk Usage
	• Host Memory Usage
	• Host Active Guest Memory Usage
	• VM Lifecycle State
	Virtual Machine
	• VM Name
	• VM IP Address
	• VM Version
	• VM State
	• VM Description
	• VM DNS Name
	• UuID
	• Virtual CPU
	• VM Up Time
	• Fault Tolerance Enabled
	• MAC Address
	• VM Lifecycle State
	• VM Communication State
	Virtual Machine Statistics
	• VM CPU Usage
	• VM Disk Usage
	• VM Memory Usage
	• VM Active Guest Memory Usage

Fault Reports

Table A-2   Fault Reports — Data Sources

Report Name	Available Fields
Active Events	Network Events:
	• Alarm OID
	• Causing Event ID
	• Date
	• Date and Time
	• Device
	• Detailed Description
	• Detection Type
	• Duplication Count
	• Event ID
	• Element Type
	• Event Count
	• Event Type
	• First Occurrence
	• Last Occurrence
	• Location
	• Reduction Count
	• Severity
	• Ticket ID

Table A-2   Fault Reports —Data Sources (continued)

Report Name	Available Fields
Active Tickets	Ticket: • Acknowledged • Alarm Count • Average # Correlated Events • Affected Devices Count • Date and Time • Device • Description • Duplication Count • Event Count • Element Type • Highest # Correlated Events • Last Modification Time • Location • Lowest # Correlated Events • Reduction Count • Root Event Time • Severity • Tickets Count • Ticket ID
Archive Events	Network Events: • Detection Type • Date • Date and Time • Device • Event ID • Event Type • Event Count • Element Type • First Occurrence • Last Occurrence • Severity • Ticket ID

Table A-2   Fault Reports —Data Sources (continued)

Report Name	Available Fields
Archive Tickets	Ticket: • Acknowledged • Alarm Count • Average # Correlated Events • Affected Devices Count • Date and Time • Device • Description • Duplication Count • Event Count • Element Type • Highest # Correlated Events • Location • Last Modification Time • Lowest # Correlated Events • Reduction Count • Root Event Time • Severity • Tickets Count • Ticket ID

Table A-2   Fault Reports —Data Sources (continued)

Report Name	Available Fields
Archive Events Detailed	Network Events: • Alarm OID • Causing Event ID • Date • Date and Time • Device • Detailed Description • Detection Type • Duplication Count • Event ID • Event Type • Element Type • Event Count • Location • Reduction Count • Severity • Ticket ID
Audit Events	• Severity • Event Count • Timestamp • Description • Username • Originating IP address • Command details: name, parameters, signature
Provisioning Events	• Severity • Event Count • Timestamp • Description • Username • Status

Table A-2   *Fault Reports —Data Sources (continued)*

Report Name	Available Fields
Security Events	• Severity • Event Count • Event ID • Date Time • Description • Location • Username • Originating IP address
System Events	• Severity • Event Count • Event ID • Time • Description • Location,
Standard Events	Standard Events: • Causing Event ID • Date • Date and Time • Detailed Description • Detection Date • Detection Type • Device • Duplication Count • Element Type • Event Count • Event ID • Event Type • Location • Reduction Count • Severity

Mobility Application Reports

Table A-3   Mobility Application Reports —Data Sources

Report Name	Available Fields
Code Division Multiple Access (CDMA)	Device: • Device Name • Device IP • Device Type • Context Name CDMA: • Packet Data Serving Node (PDSN) Service Name • Foreign Agent (FA) Service Name • Home Agent (HA) Service Name Access Point Name (APN): • APN Name • Accounting Mode • Selection Mode • Allocation Type • Active Charging Rule Base • IP Header Compression • L3 to L2 Address Policy • APN Business Tag • APN New Call Policy

Table A-3   ***Mobility Application Reports —Data Sources (continued)***

Report Name	Available Fields
CDMA-SAE	Device: • Device Name • Device IP • Device Type • Context Name CDMA SAE: • PDSN Name • SGW Name • FA Name • EPDG Name • MME Name • HA Name • PGW Name APN: • APN Name • Accounting Mode • Selection Mode • Allocation Type • IP Header Compression • L3 to L2 Address Policy • APN New Call Policy • Active Charging Rule Base • APN Business Tag

Table A-3   Mobility Application Reports —Data Sources (continued)

Report Name	Available Fields
LTE	Device: • Device Name • Device IP • Device Type • Context Name System Architecture Evolution Gateway (SAEGW) • SAEGWService Name • SAEGW Business Tag • SAEGW Status Serving Gateway (SGW) • SGW Service Name • SGW Status • SGW Mag Service • IMA Authorization Service • Egress Context Name • SGW New Call Policy APN: • APN Name • Accounting Mode • Selection Mode • Allocation Type • Active Charging Rule Base • IP Header Compression • L3 to L2 Address Policy • APN Business Tag • APN New Call Policy

Table A-3   *Mobility Application Reports —Data Sources (continued)*

Report Name	Available Fields
Mobility Applications	Device: • Device Name • Device IP • Device Type • Device Software Version • Context Name Chassis • Chassis Serial Number • Shelf Serial Number Mobility Applications • Configured Service • Configured Service Name APN: • APN Name • Accounting Mode • Selection Mode • Allocation Type • Active Charging Rule Base • IP Header Compression • L3 to L2 Address Policy • APN Business Tag • APN New Call Policy APN Charging Characteristics • Home Bit Behavior • Home Profile • Visiting Bit Behavior • Visiting Profile • Roaming Bit Behavior • Roaming Profile • All Bit Behavior • All Profile • Use RADIUS Returned • Use GGSN APN QoS Down Link • Down Link QCI Name

Table A-3   *Mobility Application Reports —Data Sources (continued)*

Report Name	Available Fields
	• Down Link Negotiate Limit • Down Link Peak Data Rate • Down Link Committed Data Rate • Down Link Rate Limit • Down Link Burst Size Auto Readjust • Down Link Burst Size Auto Readjust Duration • Down Link Peak Burst Size • Down Link Guaranteed Burst Size • Down Link Exceed Action • Down Link Violate Action APN QoS Up Link • Up Link QCI Name • Up Link Negotiate Limit • Up Link Peak Data Rate • Up Link Committed Data Rate • Up Link Rate Limit • Up Link Burst Size Auto Readjust • Up Link Burst Size Auto Readjust Duration • Up Link Peak Burst Size • Up Link Guaranteed Burst Size • Up Link Exceed Action • Up Link Violate Action

Table A-3   Mobility Application Reports —Data Sources (continued)

Report Name	Available Fields
SGSN with IuPS and	Device • Device Name • Device IP • Context Name Serving GPRS Support Node (SGSN) • SGSN Name IuPS • IuPS Name • IuPS Status • IuPS Business Tag • IuPS PLMN ID Radio Network Controller (RNC) • RNC ID • RNC Status • RNC PLMN ID Routing Area Code (RAC) Location Area Code (LAC) • LAC • RACs

Table A-3   Mobility Application Reports —Data Sources (continued)

Report Name	Available Fields
UMTS	Device: • Device Name • Device IP • Device Type • Device Software Version • Context Name Gateway GPRS Support Node (GGSN) • GGSN Service Name • GGSN Status • Local IP Address • GTPU Service Name • Accounting Server Timeout • Authentication Server Timeout • PLMN Policy • GGSN New Call Policy Serving GPRS Support Node (SGSN) • SGSN Service Name APN: • APN Name • Accounting Mode • Selection Mode • Allocation Type • Active Charging Rule Base • IP Header Compression • L3 to L2 Address Policy • APN Business Tag • APN New Call Policy

Table A-3   Mobility Application Reports —Data Sources (continued)

Report Name	Available Fields
EPC	EPC
	• Device Name
	• Device IP
	• Device Type
	• Context Name
	System Architecture Evolution Gateway (SAEGW)
	• SAEGWService Name
	• SAEGW Business Tag
	• SAEGW Status
	Serving Gateway (SGW)
	• SGW Service Name
	• SGW Status
	• SGW Mag Service
	• IMA Authorization Service
	• Egress Context Name
	• Accounting Policy
	• Accounting GTTP Group
	• SGW Accounting Mode
	• Egress Protocol
	• SGW New Call Policy
	Packet Data Network Gateway (PGW)
	• PGW Service Name
	• PGW Status
	• QCI QoS Mapping Table Name
	• GGSN Service Name
	• LMA Service Name
	• EGTP Service Name
	• Session Delete Delay Timeout
	• PGW New Call Policy
	Gateway GPRS Support Node (GGSN)
	• GGSN Service Name
	• GGSN Status
	• Local IP Address
	• GTPU Service Name
	• Accounting Server Timeout

Network Service Report

Table A-4   *Network Service Report—Data Sources*

Report Name	Description
Virtual Connection	Virtual Connection • Virtual Connection Name • Virtual Connection Business Tag • EVC Name • EVC Business Tag • Map Names • EVC Terminating EFPs • Flow Domain Fragments • Fragment Type
Network Pseudowire	Pseudowire • Network Pseudowire Name • Network Pseudowire Type • Network Pseudowire Business Tag • Map Name • Detail Name • Detail Type
VPLS	VPLS • VPLS Name • VPLS Business Tag • Map Names • Detail Name • Detail Type

Physical Inventory Reports

Table A-5   Physical Inventory Reports —Data Sources

Report Name	Available Fields
Device	Device: • Device Name • Device IP • Device Up Since • Device Scheme • Device Type • Device Series • Device Vendor • Device Business Tag • Location • Device Package Name • Product Type • Polling Group • Polling Approach • Sending Alarms • Serial Number • Software Version • System Name • Image File • Number of Modules • Number of Chassis • Number of Ports • Number of Devices

Table A-5   *Physical Inventory Reports —Data Sources (continued)*

Report Name	Available Fields
	Management State: • Communication State • Communication State Policy • Investigation State • Investigation Description • Investigation State Since • Maintenance Status SNMP Connectivity: • SNMP State • SNMP Enabled • SNMP Protocol • SNMP State Description • SNMP State Since Telnet Connectivity • Telnet State • Telnet Enabled • Telnet Protocol • Telnet State Since XML Details • XML State • XML State Description • XML State Since HTTP Connectivity • HTTP State • HTTP Description • HTTP State Since

Table A-5   Physical Inventory Reports —Data Sources (continued)

Report Name	Available Fields
	• Authentication Server Timeout
	• PLMN Policy
	• GGSN New Call Policy
	Serving GPRS Support Node
	• SGSN Service Name
	Mobility Management Entity (MME)
	• MME Service Name
	Evolved Packet Data Gateway (EPDG)
	• EPDG Service Name
	• APN
	• APN Name
	• Selection Mode
	• Allocation Type
	• Active Charging Rule Base
	• L3 to L2 Address Policy
	• IP Header Compression
	• APN Business Tag
	• APN Accounting Mode
	• APN New Call Policy

Table A-5   Physical Inventory Reports —Data Sources (continued)

Report Name	Available Fields
Hardware Inventory	Device: • Device Name • Device IP • Device Series • Device Type • Device Business Tag Chassis • Chassis Name • Chassis Business Tag • Chassis Description • Chassis Serial Number • Shelf Business Tag • Shelf Description • Shelf Serial Number • Shelf Status Module • Module Name • Module Description • Module Status • Module Serial Number • Module Type • Module Hardware Version • Module Business Tag Sub Module • Sub Module Name • Sub Module Description • Sub Module Status • Sub Module Serial Number • Equipment Type[1] • Sub Module Type • Sub Module Hardware Version • Sub Module Business Tag

Table A-5   Physical Inventory Reports —Data Sources (continued)

Report Name	Available Fields
	Port • Port Alias • Port Status • Port Operation Status • Port Admin Status • Port Type • Port Location • Port Connector Description • Port Connector Type • Port Connector Serial Number • Port Pluggable Type • Associated Pluggable[1] • Pluggable Port State • Port Managed • Port Sending Alarms • Port Business Tag • Port PID Sub Module Port • Sub Module Port Alias • Sub Module Port Status • Sub Module Port Operation Status • Sub Module Port Admin Status • Sub Module Port Type • Sub Module Port Location • Sub Module Port Connector Description • Sub Module Port Connector Type • Sub Module Port Connector Serial Number • Sub Module Port Pluggable Type • Sub Module Pluggable Port State • Sub Module Port Managed • Sub Module Port Sending Alarms • Sub Module Port Business Tag • Sub Module Port PID

Table A-5   ***Physical Inventory Reports —Data Sources (continued)***

Report Name	Available Fields
Module	Device: • Device Name • Device IP • Device Series • Device Type • Device Business Tag • Number of Modules Chassis: • Chassis Name • Chassis Business Tag • Chassis Description • Chassis Serial Number • Shelf Business Tag • Shelf Description • Shelf Serial Number • Shelf Status Module: • Module Name • Module Description • Module Serial Number • Module Status • Module Type • Module Software Version • Module Hardware Version • Module Business Tag • Number of Ports Sub Module • Sub Module Name • Sub Module Description • Sub Module Serial Number • Sub Module Status • Equipment Type[1] • Sub Module Type

Table A-5   Physical Inventory Reports —Data Sources (continued)

Report Name	Available Fields
	• Sub Module Software Version
	• Sub Module Hardware Version
	• Sub Module Business Tag
	• Number of Sub Module Ports

1. These fields will have a valid values only for Cisco Linkwood devices.