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Coriant Transcend™ Chorus for Packet - Element Adapters (8000 Intelligent Network Manager)

Efficiently Manage Several Coriant Product Families Using One Common Management System

Coriant Transcend™ Chorus is a powerful element, network, and service management system for Coriant and third-party network elements. Currently supported devices include Coriant® 8600 and 8800 Smart Routers, Coriant® 7090 CE Packet Transport Platform, Coriant® 6300 Series, and Coriant® 8100 Managed Access System.

The solution offers a programmable and easily extendable network management platform specializing in advanced end-to-end service management, monitoring, and troubleshooting as well as other network-level automation tools. The Transcend Chorus solution has a powerful normalized network model and southbound integration layer providing smooth and fast integration of new devices.

The Element Adapters are required to enable communication between Transcend Chorus and the managed network element product family. The Element Adapters are separately licensed software products installed in the Communication Server or in the DXX Server.

- **8800 Smart Router Adapter** enables communication with the 8800 Smart Routers. The communication with the network elements is carried out using SNMP (Simple Network Management Protocol). The SNMP protocol is used both for configuration of the 8800 Smart Routers as well as for collection of faults from the network elements.
- **8600 Smart Router Adapter** enables management communication to 8600 Smart Router network elements using the BMP communication protocol. BMP is an efficient, object-oriented management protocol built on top of UDP or TCP, specifically designed to manage data network elements. It enables complex configurations to be established easily yet effectively. The 8600 Smart Router Adapter also uses the SNMP protocol to collect certain performance statistics from the 8600 Smart Router network elements.
- **8100 Managed Access System Adapter** enables management communication with 8100 Managed Access System network elements using DXX communication protocol. The 8100 Managed Access System Adapter requires a dedicated server called DXX Server.

BENEFITS OF CORIANT TRANSCEND™ CHORUS FOR PACKET

- **Deliver fast, efficient provisioning and management** of services
- **Manage multiple product families effectively** using one powerful management system
- **Increase operational efficiency** by reducing network management overhead
- **Enable fast network configuration and access to performance data**
- **Select from range** of separately licensed Element Adapters



Simplify Network Management and Increase Operational Efficiency with a Powerful, Scalable Network Management System

Transcend Chorus is a single network management system across optical, mobile and business Ethernet platforms. This powerful platform offers service providers full, end-to-end support for commissioning and monitoring services, making service changes and performing troubleshooting. This single overarching network manager simplifies network management and can improve profitability and competitiveness through operational efficiency.

The element adapters are a critical part of the overall network management solution, enabling effective communication between Transcend Chorus and all managed network elements.

- **6300 Series Adapter** enables management communication with 6300 Series network elements. The communication to the network elements is carried out using a protocol called LMIP (Local Management Information Protocol), which is based on CMIP (Common Management Information Protocol). For some parts of the communication, SNMP is used as well. These protocols are transported using the OSI TP4 and IP UDP protocols, respectively. In addition, each communication server also runs a “Gateway Process,” which acts as a communication gateway between Transcend Chorus workstations and the control network of the 6300 Series nodes. The Gateway Processes are used by the 6300 Series Craft Terminal tools. When managing the 6300 Series network elements under Transcend Chorus, the 6300 Series Craft Terminal software is needed for element management.
- **7100 Packet Optical Transport Platform Adapter** is required for the communication between the 7100 Packet Optical Transport Platform network elements and Transcend Chorus. Communication is based on TL1 (Transaction Language) protocol or SNMP.
- **7090 Series Adapter** is needed for communicating between the 7090 Packet Transport Platform network elements (e.g. 7090-05 CE, 7090-07 CE, 7090-15 CEM, 7090-25 CE, 7090-45 CE) and Transcend Chorus. SNMP is used as communication protocol.

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