


configuration manager



Clarity Configuration Manager supports the logical and physical configuration of Service Provider and Enterprise networks, offering full integration of network elements and network element management systems.



Clarity Configuration Manager intelligently manages the complex configuration requirements of one or many telecommunications networks. Configuration Manager models the network owned or operated by a corporate customer, CLEC/ILEC, or carrier and how this network is used to provide service.

It provides both a physical network inventory and a logical view that links equipment, bandwidth, services and customers.

optimize your infrastructure, increase ROI and productivity

Clarity Configuration Manager delivers you a competitive edge through:

- *Intelligent and flexible implementation of workflow, which improves the automation and efficiency of the business process through higher productivity.*
- *Optimizing your use of infrastructure and increasing your return on investment.*
- *Giving you an end-to-end view of all network assets, including the consolidation of networks and technologies.*
- *Integrating with CRM, Billing and Fault Operational Support Systems, it provides a consolidated view of your business.*

features and benefits

Physical Network Configuration

Clarity Configuration Manager features pre-integrated interfaces to other support systems, such as materials management and barcoding systems that track inside and outside plant inventories.

- It details:
- Sites (customer, carrier, common, inter-connect)
 - Manholes and network access points
 - Network Elements (NEs)
 - Wireline and wireless transmission

Templates

Clarity offers libraries of Equipment and Technology Templates to *speed your time to market*. This allows you to leverage the expertise of Clarity, its partners and customers. Templates storing hierarchical breakdowns of parent and child ports are accessible to the user and result in a more efficient and *cost-effective use of staff*.

Templates are offered for the following technologies:

- XDSL
- IP
- ATM/Frame Relay
- Sonet/SDH
- DXC/DCC
- PSTN
- IN
- WDM/DWDM

Flexible Bandwidth Modelling

Clarity Configuration Manager supports a consistent method of representing bearers and circuits of *any speed in any network*. Other functions it supports include being able to:

- Specify and apply circuit-naming standards, e.g. ITU-T
- Record alternate circuit IDs
- Map a circuit hierarchy – by zooming up to bearers and zooming down to tributaries
- Map the impact of events on circuits
- Monitor circuit life cycle status
- View and update contact and customer information linked to a circuit

Network Diagramming

The *ability to perform on-line, real time* GUI based network diagramming provides a cutting-edge tool that streamlines your business process.

Auto Discovery and Synchronization

Configuration Manager offers a number of features to support and maintain the accuracy and *integrity of network configuration*. These include:

- Direct Entry and modification of records
- Updates based on a flow through process
- Synchronization with the network
- Synchronization with external (customer) layers

Through its *integration with intelligent NE/NEMS*, Clarity Configuration Manager can:

- Automatically detect changes in logical configuration (for e.g. network re-routing of traffic onto an alternate protected path) and update the configuration records to reflect this.
- Issue configuration changes to the network such as the establishment of *logical cross connects* to bring up a new circuit.
- *Support disaster recovery* activities by providing a record of network configuration prior to a disaster and in some cases, provide the ability to automatically download this configuration to network elements.

Using Clarity or third party mediation you have the ability to upload and reconcile what is out in the network versus what is perceived to be in the network. This ensures *accuracy of data* and streamlines implementation and operations.

Abstraction and Subnetworks

Clarity Configuration Manager builds and models networks layer upon layer and lets users view and access the layer most relevant to their job function.

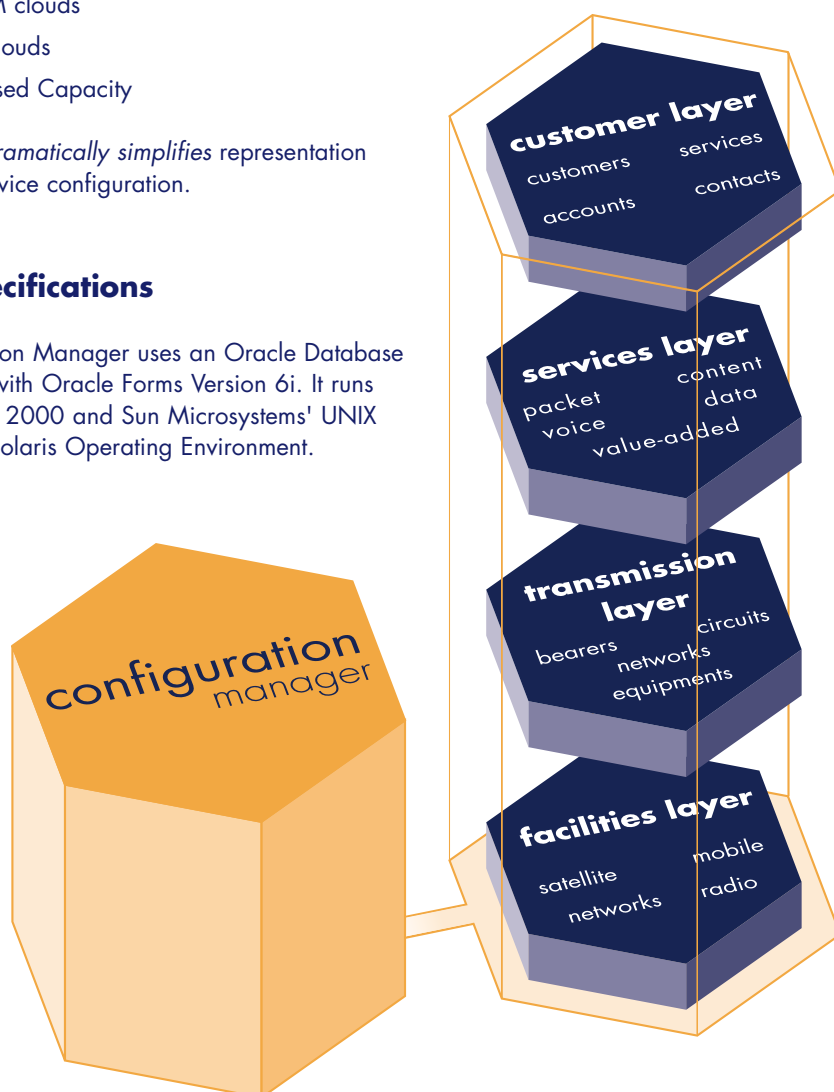
Clarity Configuration Manager also supports the modelling of sub networks including:

- Assemblies (pre-wired configurations)
- SDH rings
- ATM clouds
- IP clouds
- Leased Capacity

This functionality *dramatically simplifies* representation of network and service configuration.

technical specifications

Clarity Configuration Manager uses an Oracle Database (8.1.7 or higher) with Oracle Forms Version 6i. It runs on Intel, Windows 2000 and Sun Microsystems' UNIX platform and the Solaris Operating Environment.



leverage the value of integration

Clarity Configuration Manager integrates with other modules in the Clarity product suite including:

Service Manager

Identifies and allocates network inventory and capacity and records infrastructure used by services for capacity and fault management

Spatial Net

Provides an integrated view of physical and logical inventories and capacity. Provides geographical schematics of external and internal plant layouts, including floor plans

Alarm Manager

Provides network topology to Alarm Manager for impact and causal analysis

Ticket Manager

Provides network topology for linking of network and customer faults

End-to-End Network

Clarity Configuration Manager allows the operator to view, implement and manage the complex physical and logical configuration of an end-to-end network. This includes details of all equipment, sub equipment (cards and ports), cross connects, timeslots, routing rules and bandwidths.

Clarity models and manages the network from end to end, including the following elements:

- Customer Access Network
- SDH/Sonet, PDH, Radio Backbone
- Switched
- LAN/WAN-NWS
- Data (ATM Frame Relay, IP)
- Interconnect and Leases

Equipment and technology supported includes:

- Customer Premise Equipment
- Outside and Inside Plant
- Satellite Earth Stations, Microwave, Submarine Cable Stations
- Transmission Equipment
- Data & PSDN Switches

Technical Advantages

- Open database
- Graphical User Interface (GUI)
- Oracle RDBMS-based distribution system (multiple user)
- Access to dynamic real-time data management
- Supports functions of multiple business units
- Scalable
- Robust and reliable
- Supports Industry Application Program Interfaces (APIs)
- Complete set of APIs

further information

For further information e-mail us at info@clarity.com or visit www.clarity.com