

Telecommunications Network Inventory

The Network Inventory challenge

With the possibilities of 5G fueling the demand for new services, the telecommunications industry is quickly moving toward dynamic real-time customer service delivery experiences. However, Communication Service Providers (CSPs) face many difficulties automating the service lifecycle. Yet before automation can be leveraged, CSPs need accurate inventory data to be in sync with the network. There are many challenges CSPs face in providing accurate network inventory, including:

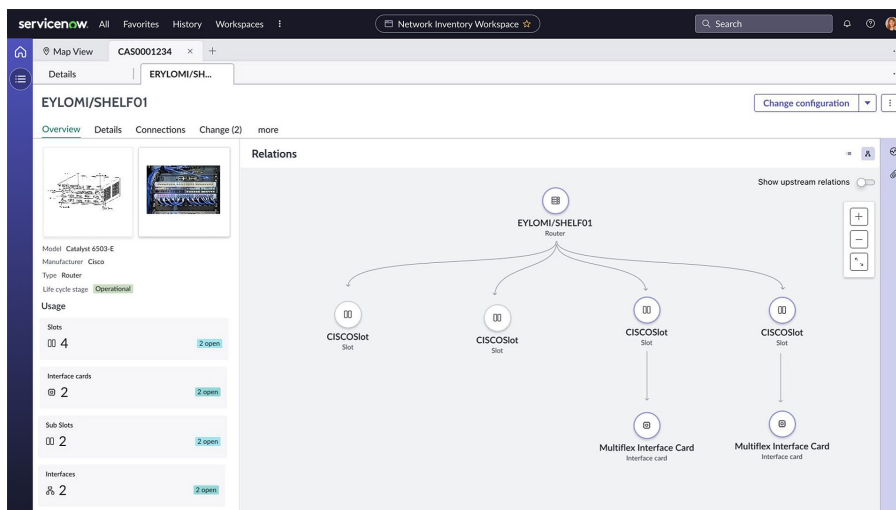
- Exponential amount of network inventory
- Multiple inventory systems
- Redundancy and duplication of inventory systems
- Long development cycles among network and software engineering to model equipment, design templates, and integrate inventory
- Poorly disjointed business processes

To succeed, CSPs need accurate, consolidated inventory to automate the resource and service lifecycle. With trust in inventory data, CSPs can rapidly deploy services, maximize network investment, and redefine the service experience.

The ServiceNow solution

Redefine service experience with consolidated, accurate network inventory to automate the resource and service lifecycle, all on one platform.

With ServiceNow, CSPs can easily manage the network resources required to deliver services faster and address issues proactively. ServiceNow's Telecommunications Network Inventory product gives network engineers the power to accurately design, build, and manage network resources and services. Through automated workflows and an accurate view of your inventory lifecycle, it's possible to optimize resource utilization and network investment.



Advanced visualization | Topology with drill-down capability into equipment details

BENEFITS

Automate Service Lifecycle

Deliver services faster and address issues proactively with accurate inventory

Consolidate Inventory

Consolidate inventory data to easily and quickly manage resources and services

Optimize Resources

Maximize network investments with reliable resource information



ServiceNow brings a process-centric approach to network inventory that has often been missing or fragmented before!

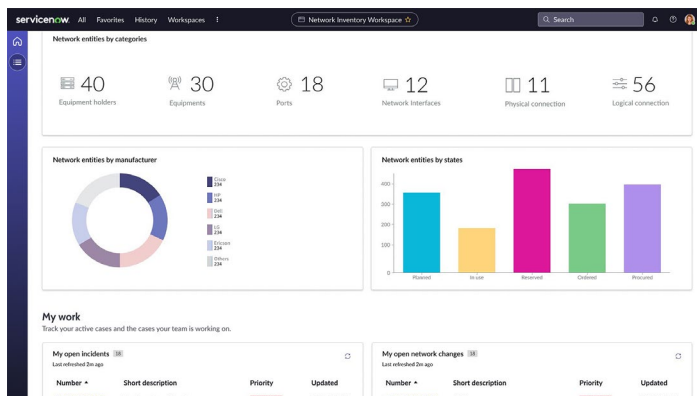
- Francis Haysom, Principal Analyst, Appledore Research

TRY A DEMO

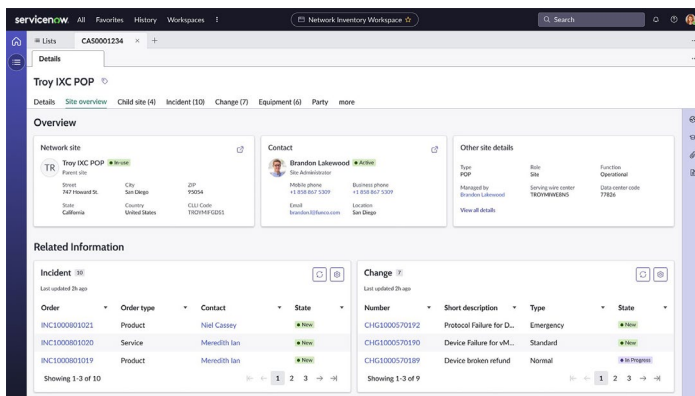


See how easy it is to integrate network build with resource and service management.

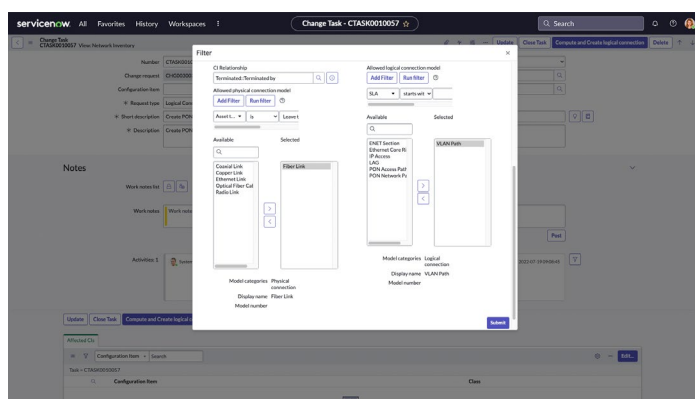
View the demo [here](#).



Network Inventory Personalized Configurable Workspace



Capture, store and maintain accurate resource lifecycle data



Design and Assign with path computation

Key product capabilities of Telecommunications Network Inventory:

Network Inventory Data Model

Leverage CMDB classes which are telecommunication industry standards aligned to support the needs of telecommunication service providers

Network Inventory Configurable Workspace

Deepen visibility into network inventory operations with personalized configurable workspaces and dashboards

Design and Assign

Automate design and creation of network equipment and connections supporting customer orders and internal network orders

Equipment Models and Templates

Quickly model equipment and design complex templates

Managed Network Functions

Create and manage network functions provided by VNF/CNFs while maintaining relationships to the supporting physical hardware

VLAN or LAG Number Management

Create and assign numbers and number ranges for VLAN and LAG circuits

Cable and Fiber Strand Management

Create cable connections between sites and network inventory elements

Integrated with Order Management

Associate customer orders with the required network resources to deliver a seamless service delivery experience

Telecommunications Network Inventory is aligned with TM Forum Open APIs:

- TMF639 Resource Inventory Management

Learn more about ServiceNow solutions for Telecom at <https://servicenow.com/telecom>.

