

**Assure1
Universal Topology™**

Assure1 includes **Universal Topology** which consumes any source of topology for instant rendering in nearly any format imaginable.

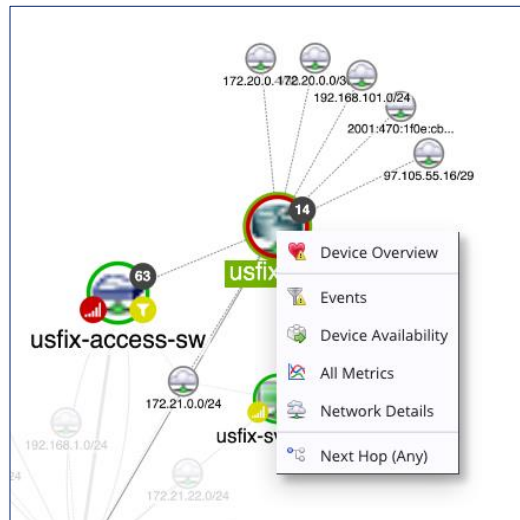
**Assure1
Chronos Timeline™**

Assure1 Universal Topology adds the **Chronos Timeline** to topology views. Chronos allows you to navigate and visualize topology changes & impacts over time. Understanding changes can lead to better topological management.

**Assure1
Network Cartographer™**

See your topology as logical or geospacial layout using Assure1's **Network Cartographer** geo-tagging support throughout your inventory, topology, events and event history.

End-to-end view of your entire network through a single pane of glass.



A Single View of the Network

Communication Service Providers (CSPs) Managed Service Providers (MSPs) and other enterprises have struggled to visualize their expanding networks in a singular view until now. Legacy inventory systems and siloed CMDBs create chaos when trying to understand real problems occurring on the network. Assure1 can dynamically consume topology information from any data source and instantly display the reality of your physical and virtual devices.

Navigate topology paths via algorithms like shortest path or weighted path to find the most optimized or cost efficient routes.

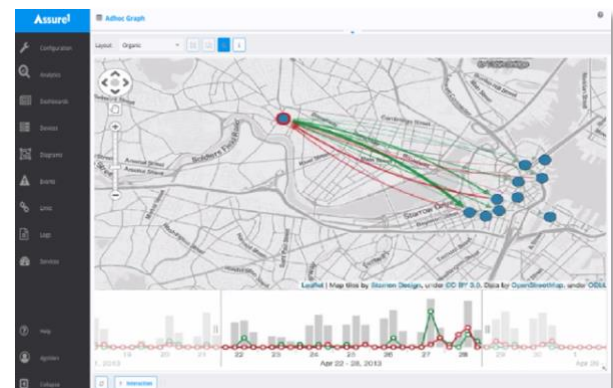
Circuit Views allow you to see your topology from an A to Z view; with panels describing each end of the circuit.

Real time health status with drill downs into device health, performance and fault information.

- ❖ Dynamically ingest topology from nearly any available data source.
- ❖ Easily navigate and troubleshoot your network using real-time displays.
- ❖ Open, scalable platform able to handle millions of devices and topology links.
- ❖ Open Display Models allow you to enhance and render nearly anything via easy to leverage markup language.
- ❖ Go back in time; the *Chronos Timeline™* allows you to see topological changes as they occurred.

Assure1® Network Cartographer™

Change from Logical Layouts to Geo-Map based layouts to see logical or physical maps using *Network Cartographer*. **Assure1 Chronos Timeline**, supported in *Network Cartographer*, allows you to understand how your topology changes & impacts over time in a visual manner.



The Assure1 Platform

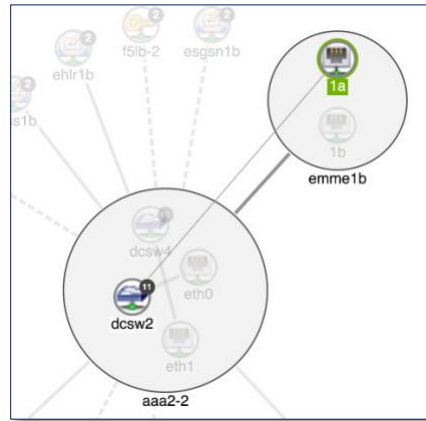
- ❖ Open platform, built for scale and speed
- ❖ Real-time machine learning (ML) insights
- ❖ RCA³ - Revolutionary, 3-way ML powered root cause analysis delivering optimum results
- ❖ Domain agnostic, scalable data collection. Any source, normalized into a common object model
- ❖ Enables consolidation of costly legacy, redundant systems
- ❖ Trusted, repeatable transition from legacy, proven by global customers
- ❖ Extensive library of supported devices with an accelerated certification process

About Federos®

Federos is a leading provider of AI-optimized assurance, analytics, and automation solutions that monitor and manage the performance of critical networks and services. Our solutions ensure the digital services that businesses rely on. Our customers are Communications Service Providers (CSPs), Managed Service Providers (MSPs) and other enterprises with complex and large scale networks. We help businesses transform their operations to reduce costs, prevent losses, improve operational efficiency, deliver exceptional customer service, and accelerate time-to-revenue.

Universal Topology Overview

Centralize your approach to universal topology management.



Topology Management

Assure1 can quickly and accurately depict topology changes in near-real time. **Assure1** includes a fully integrated, cross-domain, topology and relationship management function to handle any technology – logical and physical.

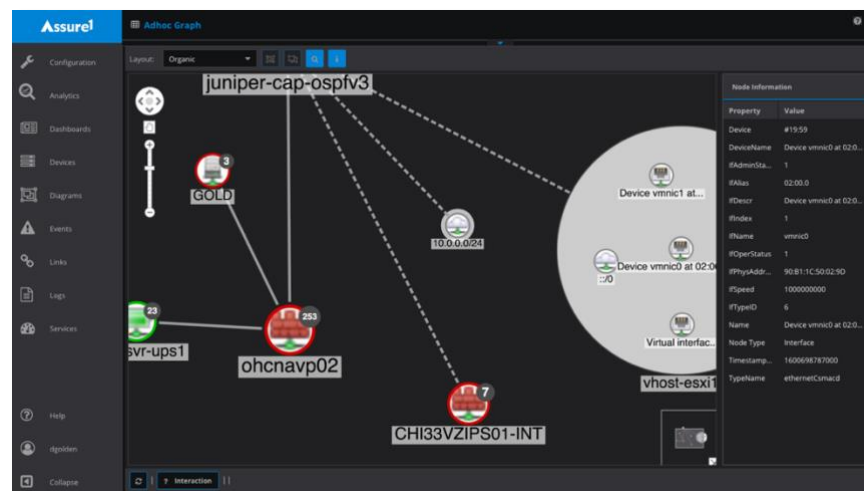
Data collected across domains is normalized into a common data model and spans the entire OSI model (Layers 1-7). Relationship models can be extended and augmented with data imported from external systems such as inventory, configuration management, provisioning, and order management among others.

Chronos Timeline™

Assure1 is constantly watching for alarming trends in real-time. As these changes impact topology, and as topology changes – it becomes very important to be able to monitor what happened as a result of topological changes. **Assure1** is the only product to bring time and impact together to allow *Chronos Timeline*, or time based navigation, to your topological and cartographic views.

Adhoc Troubleshooting

Assure1's Universal Topology allows you to see and visualize all of the health details of your network in a single pane. From a device; you can pop up fault, performance management, health, service management and other relevant panels to fully allow you to see what is happening in real-time - and as it happens.



READ MORE AT www.federos.com

[The Assure1 Platform](#)

[Unified Fault, Performance, Topology, and Service Management](#)

[Machine Learning Analytics and RCA³](#)

[Closed-Loop Service Assurance \(SDN/NVF, 5G\)](#)

[Legacy Tool Consolidation](#)