cITopus for VMC

cITopus is a VMware NSX Automation and Management Technology, designed to automate NSX tasks, accelerate adoption of NSX, and mitigate risk of NSX operations for VMware Cloud (VMC). cITopus is manufactured by SPJ Solutions Inc., a leading solution provider of NSX.

cITopus is VMC Ready!

cITopus has been certified by VMware as "VMC Ready" on June 2019.

cITopus for VMC Key Benefits

VMC Adoption: cITopus makes it easier to integrate on-premise datacenter with VMC by providing unprecedented visibility into both on-premise and VMC NSX environments.

"What-If" Scenario Modeling: cITopus simulates NSX Micro-Segmentation in a VMC environment, allowing organizations to model Micro-Segmentation using production workloads. cITopus also offers a Test Engine to test Micro-Segmentation firewall rules and associated security objects prior to deploying the rules into VMC.

Improved Visibility by allowing the administrators to visualize and operate NSX Micro-Segmentation in a graphical window of cITopus.

Reduced Errors on NSX tasks through automation and validation.

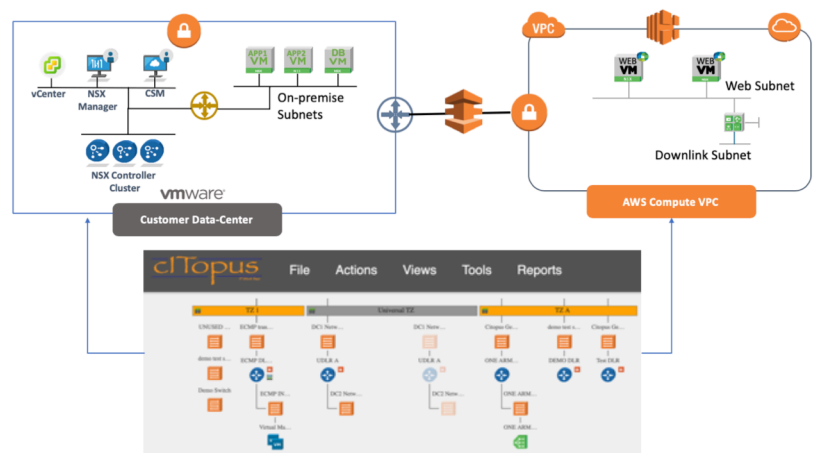**Enforced Best Practices** by performing configurations supported by VMware.

Improved Operationalization by allowing administrators to perform complex configurations in NSX using simple "drag-and-drop" operations and deployment wizards.

Reduced Implementation Cycles cITopus' automation features decreases the need for longer outage windows. Furthermore, cITopus reduces the requirement for longer project cycles for the implementation and extension of NSX tasks.

Democratize NSX by giving "junior level" engineers the ability to configure and manage NSX.

cITopus for VMC Key Features

Cloud Extension: Organizations that are planning to use VMC to extend their on-premise data center capabilities for various use cases, i.e. Business Continuity and Disaster Recovery, or Production operations can benefit from cITopus. cITopus can be deployed into both on-premise and VMC to provide visibility into the existing NSX environments. cITopus on-premise version also performs health-checks of the NSX design and configurations, and alerts graphically on a "What You See Is What You Get" (WYSIWYG) window. Once virtual machines have been migrated or cloned to the VMC environment, cITopus can be utilized to model Micro-Segmentation "What-If" Scenarios.

NSX Simulation Engine on VMC: cITopus offers a NSX simulation engine which allows administrators to perform testing and validation of the traffic flow based on the Micro-Segmentation design. The test results can be exported into an Excel spreadsheet for validation and documentation. This approach helps identify errors prior to deploying the Micro-Segmentation rules into NSX. Furthermore, this approach removes the need for extended maintenance windows, which otherwise would be required if the testing can only be done after the rules are deployed. The "Test First - Deploy Later" approach saves time, improves outcome, and instills standardization.
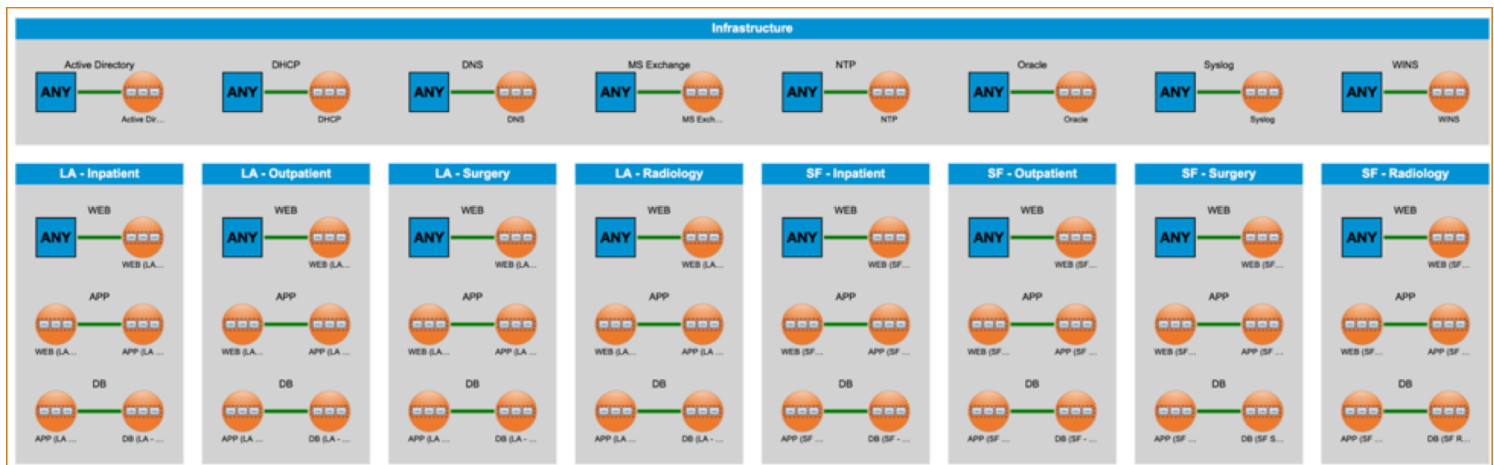
cITopus for VMC Key Features

"What-If" Scenario Modeling: Organizations can visually build Micro-Segmentation models using their production workloads and cITopus. The Micro-Segmentation model can be built through a cITopus wizard where the user provides basic information about the applications, and their interactions. cITopus translates the information into NSX language and produces NSX constructs which NSX understands. Furthermore, cITopus builds a Micro-Segmentation design as shown in the diagram below.

NSX Design and Documentation on VMC: cITopus has the ability to export the Micro-Segmentation design as PDF and the Micro-Segmentation specifications as an Excel spreadsheet to aid in the design brainstorming, change management, and validation process.

Installation Requirements

cITopus Installation and Configuration on VMC Instructions. The entire installation and configuration process is done within one hour.

1. Download cITopus as OVA file from SPJ Solutions FTP site into your desktop.
2. Deploy cITopus into VMC vCenter environment using vCenter OVA deployment wizard. You will need an IP address for cITopus. You also need to provide DNS Server and NTP Server information during the OVA deployment.
3. Start cITopus Appliance in VMC from vCenter cluster
4. Access via HTTPS the IP address provided for the cITopus.
5. Run Micro-Segmentation Wizard from Actions menu to start building Micro-Segmentation models.

How to Buy

Contact info@citopus.com or 1-855-775-2772 (Ext 704)