



PARAGON ACTIVE ASSURANCE DEPLOYMENT SERVICE

Service Overview

Setting up a resilient, manageable, and expandable network is a significant challenge. Predicting how it will behave when millions of users start using it is almost impossible.

Paragon Active Assurance is an intuitive and versatile software solution that automates active testing and monitoring for the most demanding network environments. The Juniper Professional Services team can deploy the software for you, tailoring the solution to meet your specific needs and helping you maintain the network in a continuous, high-quality state.

Service Description

Juniper® Paragon Active Assurance (formerly known as Netrounds) is a programmable, active test and service assurance platform for physical, hybrid, and virtual networks. Unlike passive monitoring and assurance approaches, Paragon Active Assurance uses active, synthetic traffic to verify application and service paths at the time of delivery and throughout the life of the service.

Every network environment is unique and might require different deployment strategies. To address these deployment needs, the Paragon Active Assurance Deployment Service offers a fully customized solution that provides full flexibility in choosing deployment deliverables such as number of test agents, number of use cases, third-party system integrations, custom software components, and documentation. Unlike other offerings, this custom package does not limit the number of test agents or use cases. It allows the Services team to explore the full potential of use cases that will maximize ROI and decrease the troubleshooting time of an existing network degradation.

This deployment offering also allows customers to request new software components, enabling new capabilities to be added to the best-in-class Paragon Active Assurance solution. Whether you are embarking on a new deployment or improving an existing one, Juniper Networks Professional Services allocates industry-leading engineers and project managers to help you implement the desired solution following established best practices.

Table 1 and Table 2 detail the supported Paragon Active Assurance Deployment Service features and components.

Table 1. Paragon Active Assurance Deployment Service Features*

Feature Sets	
1.	SNMP Integration
2.	Lightweight Directory Access Protocol (LDAP) Integration
3.	NETCONF/YANG API Workshop
4.	REST API Workshop
5.	Custom Software Component Delivery
6.	Database Access Integration Workshop
7.	L2 and L3 Network Use Cases
8.	Rich Media Use Cases
9.	Service Activation Testing Features Use Case
10.	Wi-Fi Use Case
11.	Speed Test Use Case

* Subject to product licensing

Table 2. Service Components

Components	Description	Features and Benefits
Solution Workshop	This is a technical workshop to discuss customer requirements for the project. Juniper Networks Professional Services team documents customer requests in a requirements matrix (RM) in the Requirements Review Document (RRD) for customer review and approval.	Clearly identified business and technical requirements are delivered to customer in conjunction with Juniper consultant.
Low-Level Design Document	This document details the overall network, including placement of test agents, control center, and features used by the customer to execute the use cases.	Juniper Networks engineers use best practices during deployment. This can only happen by understanding the underlying infrastructure and network constraints, and assigning subject matter experts for the intended solution deployment. The Low-Level Design Document presents the deployment configuration options in detail.
Configuration Creation	The Juniper Professional Services team assesses the hosting environment and recommends installation best practices based on the workshop outcome. This is conducted with the customer infrastructure team. Different Network Functions Virtualization Infrastructure (NFVI) environments might require unique deployment strategies; after finalizing the design, a Juniper consultant will create the base configuration for the selected use case.	The optimal configuration for the test agent is to prevent artificial packet loss and jitter seen in the test and monitor results.
Network Acceptance Test Plan Execution (NATPE)	The Juniper Professional Services team reviews test items with the customer and verifies the successful output.	The NATPE ensures that desired capabilities are achieved as agreed upon and expected by the customer.
Knowledge Transfer Session	Juniper will deliver detailed knowledge transfer on the deployed products and how they are used in the network.	This session helps transfer knowledge to the customer's team about how the solution was deployed and tested, and imparts information related to the solution.

Juniper Service and Support

Juniper ensures operational excellence by optimizing the network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services/.

Ordering Information

To order the Paragon Active Assurance Deployment Service, or for additional information, please contact your Juniper Account Manager.

Exclusion

The scope of this service is for deploying Juniper Networks Paragon Active Assurance features only and does not include separately sold assessment, design, or migration services. If you

require additional services from your Juniper Professional Services consultant, please contact your Juniper Account Manager.

About Juniper Networks

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.

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