

# CGN Logging Services

## Service Overview

Demand is increasing for service providers to deploy carrier-grade network address translation (CGN) to handle IPv4 depletion and to use their IP address pools more efficiently. In parallel, law enforcement agencies are demanding that service providers have a mechanism to establish, store, and retrieve the subscriber identity for every service provisioned. To meet these regulatory requirements, service providers are forced to process and store high volumes of logs and associated data.

Juniper's CGN Logging Services and software are purpose-built to enable cost-effective collection, retention, and retrieval of CGN logging data to meet legal and regulatory requirements.

## Service Description

Juniper's CGN Logging services complement the CGN capabilities Juniper Networks offers to service providers facing IPv4 address depletion and identity data retention and retrieval requirements. The CGN Collection QuickStart service enables you to quickly receive value from your CGN investment by accelerating the time needed to design, configure, and deploy the CGN Logging portion of the solution. For broader help with CGN Logging deployment, the CGN Collection, Retention, and Retrieval (CGN CRR) service extends the QuickStart service to include design, configuration, and deployment of the retention and retrieval components of the logging solution.

Both of these services provide rapid time to value through the logical, four-phase delivery process outlined in the following section.

### Phase 1: Design

Juniper Networks professional services experts collect and review information from your organization to plan the CGN Logging software installation. Based on their findings, they develop necessary designs and physical specifications (servers, storage, log network topology), plus a logging test plan. In addition, they recommend industry-leading practices for your proposed implementation, including guidance on areas such as installation, configuration, operation, and trouble-shooting.

### Phase 2: Implement

Juniper's consultants install and configure the software and conduct unit testing.

### Phase 3: Test

The project team works with you to test the installation and validate the implementation according to the solution test plan.

### Phase 4: Operational Handover

The professional services consultants provide support for full-scale production rollout of the logging solution, document the implementation, and train your staff to operate your solution in day-to-day scenarios going forward.

This service enables you to:

- Ensure that the logging solution is operational and that your staff has an understanding of areas such as configuration and ongoing operation
- Satisfy legal data collection and retention requirements
- Manage IPv4 address depletion and use your remaining IP address assets more efficiently

## Additional Services

In addition to these predefined services, custom engagements are available to help you address your unique data access requirements, data analysis requirements, or both. Contact your Juniper account manager for additional information.

Table 1: CGN Logging Services Features and Benefits

Feature	Feature Description	Benefit
Prequalification and recommendations	Information is collected about your environment to develop a customized installation plan.	<ul style="list-style-type: none"> <li>Minimizes time and effort to develop installation plan and deploy logging solution, so you can quickly start experiencing the benefits of using CGN</li> </ul>
Onsite Juniper professional services consultants	Juniper consultants plan, implement, and test the CGN solution using a combination of onsite and remote resources.	<ul style="list-style-type: none"> <li>Accelerates and optimizes the time to value of your solution</li> </ul>
Onsite knowledge transfer	Juniper's professional services team covers topics such as configuration and troubleshooting, additional feature configuration, and system administration for your staff.	<ul style="list-style-type: none"> <li>Accelerates availability of your new Juniper solution</li> <li>Accelerates readiness of employees to operate the new solution</li> <li>Creates fully informed IT staff for improved operational efficiencies</li> </ul>

## Juniper Networks Professional Services

As leaders in networks and security, Juniper Networks professional services consultants and engineers are uniquely qualified to assist service providers in designing, implementing, and optimizing network solutions. Our team appreciates the complexities and the subtleties inherent in large-scale internetwork design and can assist or provide customized and integrated “turnkey” solutions.

Juniper Networks professional services helps accelerate your network's time to value, bringing revenue-generating capabilities online faster for bigger productivity gains, faster rollouts of new business models and ventures, greater market reach, and higher levels of customer satisfaction. Your staff works closely with Juniper specialists, building operational capabilities and reducing your exposure to IT risks. As a result of our previous experience involving hundreds of networks around the world, professional services is uniquely qualified to help customers design, implement, and optimize their networks for confident operation and rapid returns on infrastructure investments.

These professionals understand today's Internet demands and those that are just around the corner—for bandwidth efficiency, best-in-class security, solid reliability, and cost-effective scaling.

## Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services that are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to maximize operational efficiency while reducing costs and minimizing risk, achieving a faster time to value for your network. Juniper Networks 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](http://www.juniper.net/us/en/products-services).

### Ordering Information

Please contact your Juniper account manager.

The Juniper Networks CGN Logging Services can be ordered using the part numbers shown in the following table. Before the service begins, a statement of work (SOW) is established outlining the work to be performed.

Model Number	Name
PRO-CGNAT-COLL-QS	CGN Collection QuickStart
PRO-CGNAT-CRR	CGN Collection, Retention, and Retrieval

## About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at [www.juniper.net](http://www.juniper.net).

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