

PRODUCT: ADDRESS COMMANDER



# IP ADDRESS MANAGEMENT FOR SERVICE PROVIDERS

**CUT DOWN OPERATIONAL COSTS AND OPTIMIZE  
YOUR RESOURCES ACROSS SERVICES AND NETWORKS**

## PRODUCT HIGHLIGHTS:

1

Obtain customer-centric views of IP and DNS resources

2

Expedite IP address requests from RIR with simplified reconciliation

3

Gain a network-centric view of your IP address deployments and devices

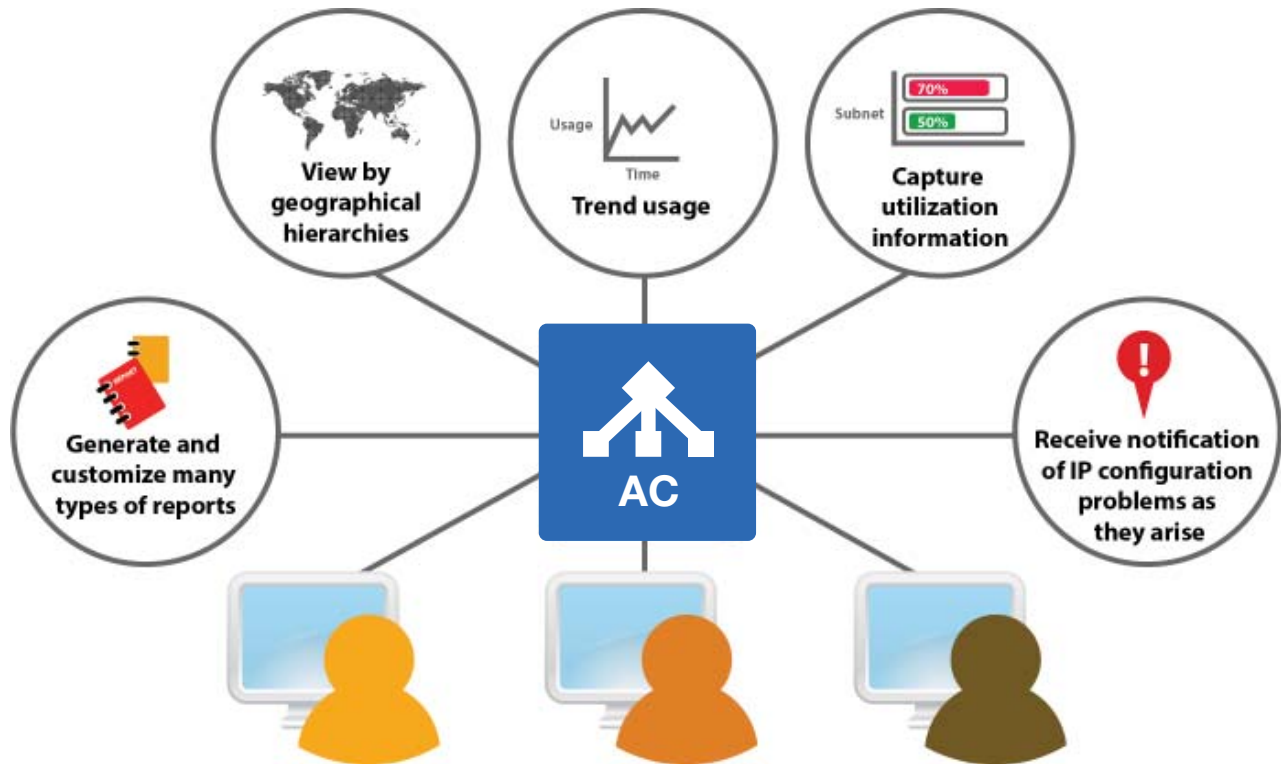
4

Lower DNS and DHCP management costs in a service provider environment

5

Optimize IPv4 resources and prepare for tomorrow with comprehensive IPv6 features

# GET THE VISIBILITY YOU NEED TO PLAN AND CONTROL YOUR DISTRIBUTED IP RESOURCES



*Gain a holistic view of your IP address resources while allowing simultaneous user access with Address Commander*

**Service providers** face the daunting task of managing large pools of address space that serve a variety of purposes and services. Compounding the challenge is the adoption and sheer volume of IPv6. To optimize, accurately assign, and track address space among hundreds of customers and regional deployments, you need a holistic view of your IPv4 and IPv6 address deployments.

Designed to meet the unique IP address management needs of service providers, Address Commander gives you complete visibility into your IP resources. Through Address Commander, you can centralize, automate, and streamline the administration of increasingly complex IP environments. It manages the allocation and assignment of IP nodes and subnets, tracks them among access network types, regional offices, or business units, and automates reporting for internal audits or reconciliation with Regional Internet Registries — without the hassle of

manually entering data into spreadsheets.

All this is achieved via a centralized management interface that allows you to manage your IP space anytime, anywhere. This multi-user system allows widespread, concurrent access and simultaneous updates. Problematic configuration concerns are eliminated through access controls, change audits, threshold alerts, business rules, and constraints. Centralized IP information can be viewed from a network, device, DHCP, or customer perspective based on the needs of different users. Optionally, you can give local and enterprise administrators the ability to self provision domains and IP space.

There's no need for a disruptive deployment project. Address Commander services can be deployed in phases in an "a la carte" manner based on your needs. It flexibly integrates with your operations support system while still providing different departments a degree of control over management tasks that are specific to them.

Whether you are transitioning to IPv6 or trying to stretch your IPv4 addresses, use Address Commander to take control of your IP resources now.



# ADDRESS COMMANDER DELIVERS

Reduce the time spent on IP address management and free up your network IT staff for other critical tasks. Address Commander delivers unprecedented network-wide visibility, simplified IP request fulfillment, comprehensive reporting, a foundation for IPv6 transition, and DNS/DHCP alignment.

## Unprecedented Network-wide Visibility

Gain centralized access to all your IP-specific data and choose from the various views available to match the viewing needs of different IPAM users. For example, the network operations team require a device-centric view of IP information, whereas a customer service representative would require a customer-centric view. Other options include DHCP, DNS, and regional-centric views. Through the user-friendly Address Commander web management interface, you can easily identify everything IP related, including blocks of fragmented or free space, high-level usage, and deployment trends. You can also drill down to find out details about an individual IP address, such as customer, device, and user-defined attributes. What's more, automatic notifications minimize business costs by removing the need to constantly monitor address space and problematic IP configurations.

## Intelligent Network Discovery

Gain a cross-network view of IPv4 and IPv6 configurations on your devices with Address Commander. It intelligently discovers network devices and collects their IP-related configurations, regardless of the vendor. Address Commander identifies new devices on your network by scanning millions of IPs with different SNMP community strings. You can then perform targeted scans of known routing elements and switches on a daily basis. Regular scans help you stay on top of your network by capturing any changes, identifying stale IPs to ensure proper address utilization, and detecting duplicate IP assignments to minimize service disruptions. You can also easily create reports that itemize discrepancies so that various groups can take action.

## Internal, Regional, and Enterprise Customer Request Fulfillment and Management

Address Commander simplifies IP and domain request fulfillment while minimizing business costs caused by human errors. You can reserve IP blocks for specific groups such as geographic groups, access network types, commercial services, or high-speed data services. Users affiliated with a group can self-provision

addresses from the reserved pool as well as its associated domain. By viewing the different groups, you gain a customer-centric view of the network. Optionally, you can empower business customers by giving them access to their own network information.

## Comprehensive Reports for Proactive Planning and RIR Compliance

Save time with comprehensive reporting capabilities. Regional Internet Registry (RIR) information is collected and stored inside Address Commander automatically. Any combination of this information can be easily exported to tailored in-house reports, the RWHOIS system, or relayed to the appropriate RIR.

Additionally, utilization snapshots and usage trending reports give you actionable intelligence to optimize your IP resource allocation.

## Simplify IPv6 Transition and Mitigate Future Renumbering

Get a handle on your current network by reconciling IP assignments with the information discovered from devices and DHCP servers on your network. The discovery strategies are vendor agnostic and lightweight so that they do not burden users or resources on the network. Lay the groundwork for your IPv6 and IPv4 address plans by using various planning features to visualize and plan out IPv4 and IPv6 addresses across your network.

IPv6 requires a completely new approach to address planning. The conservative IPv4 approach is not flexible enough for IPv6 allocations and creates future renumbering headaches for IP planners. On the flip side, aggressive planning could mean insufficient space for higher level regional aggregations. Address Commander helps you strike a balance with its comprehensive IPv6 capabilities.

Follow planning best practices with the host density ratio calculator and allocation planning tools. To help you maintain flexibility for the future, Address Commander will select the next available IPv6 address based on configurable sparse allocation rules.

### **Customized Automation for Enhanced Service Workflows**

By integrating Address Commander with your OSS/BSS, you can centralize your architecture to support processes such as inventory maintenance, static address provisioning, and network component configuration. Address Commander can automatically send messages to third-party OSS whenever IP assignments or other key changes occur. The systems can then implement customized workflows, notify other OSS, or make calls back to Address Commander via SOAP or JAVA APIs.

### **DNS and DHCP Alignment**

Address Commander integrates with DNS and DHCP services to provide a complete DNS, DHCP and IPAM solution. Through this integration, you can automate a number of DNS tasks. Reduce manual labour by automatically gathering DHCP configurations and reconciling them with information in Address Commander. If Address Commander detects any problematic configurations across your DHCP servers, it will notify your administrators and recommend possible solutions.

# THE INCOGNITO SOFTWARE PHILOSOPHY

Broadband service providers worldwide use Incognito software products to solve their device provisioning, network intelligence, resource management, and service activation challenges. In addition to helping you increase operational efficiency and monetize IP-based services, Incognito also delivers:

### **Flexible and Modular Software.**

Get software that fits your needs, not the other way around. Our extensive API toolkits ensure that you can easily integrate any Incognito product into your existing systems.

### **Customer-Centric Solutions.**

Be heard. We listen to and take your suggestions seriously. That's why 80% of new product features are a direct result of customer feedback.

### **24/7 Support.**

Access us 24/7. Our support team is here to help and always available to answer your questions. You are our number one priority.



### **Want to gain greater visibility into your IP address resources?**

Find out how one company is using Address Commander to efficiently manage and assign IP addresses.  
<http://goo.gl/d8YiG>