

ANTlabs



Services Made Easy



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The Tru'IP product family delivers a comprehensive DDI suite with Tru'IP DHCP, DNS, and IPAM, enabling carriers and service providers to offer reliable, secure, and scalable Internet services. Designed for high-performance environments, Tru'IP ensures carrier-grade resilience and efficiency across diverse networks.

Tru'IP DHCP

- Enables DHCPv4 and DHCPv6 support
- Supports dynamic and static IP address assignment
- DHCP packet integrity validation
- Provides real-time and historical DHCP client lease status queries
- Fully customizable, policy-based IP allocation
- Optimizes performance with parallelized DHCP service and lease management
- Enables active-active DHCP cluster deployment for high availability
- Supports dynamic DHCP cluster scaling

Tru'IP IPAM

- Virtual DNS server
- IP Address Tracking & Inventory
 - Maintains a centralized database of all IP addresses in the network
 - Tracks available, reserved, and allocated IP prefixes
 - Subnet duplication detection
- Advance API support
 - RESTful API support for DHCP Subnets and DNS records management
 - Fully configurable websocket feature makes external integration flexible
- Provides visibility into subnet utilization

Tru'IP DNS

- Virtual DNS server
- Source IP and/or Destination IP groups
- Fully configurable domains per IP groups
- customizable DNS record types
- Policy based DNS server
 - IPv4 and IPv6 DNS Views
 - Resource Records Balancing
- Authoritative DNS Server
 - Dispatch by Server and Client IP grouping
 - Backend database for DNS records
 - Multiple DNSSEC key support
- Recursive DNS Server
 - Internet root to authoritative DNS (DNSSEC) resolution
- Forwarding DNS Caching Server

Tru'IP CMS

- Cluster Node Management
 - Application Configuration
 - Diagnostics, Statistics, Patch Maintenance
- Cluster Report Management
 - Log Consolidation
 - Real-time Graphical Reports
- Realtime DHCP lease backup into CMS
- Active lease restore for disaster recovery



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Specifications



Model	Tru'IP DHCP		
	5200	5300	5400
DHCP IPv4/IPv6-Prefix IP	Up to 8M (1500 subnets; 256K prefixes per subnet)	Up to 18M (2500 subnets; 512K prefixes per subnet)	Up to 30M (4000 subnets; 768K prefixes per subnet)
Active Leases	Up to 2M	Up to 3M	Up to 5M
LPS	Up to 5K	Up to 10K	Up to 15K
Appliance			
Processor Cores	24	32	32
Memory	32 GB	64 GB	128 GB
Effective Storage	960 GB	960 GB	960 GB
Hardware RAID	YES	YES	YES
Network Interfaces	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports
Power Supply	AC Redundant Power Supply		
Remote Console	Graphical KVM		
Rack Mount	1U appliance	1U appliance	1U appliance

Tru'IP DHCP is also available as a virtual appliance



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Specifications



Model	Tru'IP DNS		
	5200	5300	5400
DNS Records	Up to 500K	Up to 2M	Up to 3M
QPS	< 70K	< 150K	< 300K
Appliance			
Processor Cores	24	32	32
Memory	32 GB	64 GB	128 GB
Effective Storage	960 GB	960 GB	1.8 TB
Hardware RAID	YES	YES	YES
Network Interfaces	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports
Power Supply	AC Redundant Power Supply		
Remote Console	Graphical KVM		
Rack Mount	1U appliance	1U appliance	1U appliance

Tru'IP DNS is also available as a virtual appliance



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Specifications



Model	Tru'IP CMS	
	5200	5300
Management Instances	Up to 10 (up to 5 nodes per cluster, up to 5 clusters)	Up to 20 (up to 5 nodes per cluster, up to 10 clusters)
API TPS	Up to 20 Write ops/s Up to 100 Read ops/s	Up to 20 Write ops/s Up to 200 Read ops/s
Searchable Records	Up to 5M live sessions Up to 10B historical sessions	Up to 25M live sessions Up to 100B historical sessions
Service Container Capacity	1	2
Appliance		
Processor Cores	24	32
Memory	64 GB	128 GB
Effective Storage	2.8 TB	5.7 TB
Hardware RAID	YES	YES
Network Interfaces	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports	2x 25G (SFP28) Service Ports 2x 25G (SFP28) HA ports 2x 10GE Management ports
Power Supply	AC Redundant Power Supply	
Remote Console	Graphical KVM	

Tru'IP CMS is also available as a virtual appliance



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Specifications



Model	Tru'IP IPAM	
	5200	5300
Mananage DHCP/DNS Clusters	Up to 8 (up to 4 DHCP cluster & up to 4 DNS clusters)	Up to 20 (up to 10 DHCP cluster & up to 10 DNS clusters)
Maximum Provisioned IP Prefixes	Up to 30M	Up to 70M
Maximum External Manage Devices	Up to 1500	Up to 3000
Maximum Provisioned DNS Records	Up to 3M	Up to 7M

***Tru'IP IPAM is not offered as a standalone appliance; it is integrated into the Tru'IP CMS platform.
Please note that Tru'IP IPAM 5300 is not available with the Tru'IP CMS 5200 model.***



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