ENTUITY
SOFTWARE™

IP ADDRESS MANAGEMENT (IPAM)

IP address management is a means of planning, tracking, and managing the IP address space used in a network. With IP Address Management, administrators can ensure that the inventory of assignable IP addresses remains current and sufficient.

WHAT IS IT?

This feature built within Entuity Software™ allows a customer to combine the network intelligence of Entuity with the administrative management of IP address resourcing and allocation.

From Entuity v21.0 GA upwards, you can use IP address management (IPAM) to plan, track, and manage the IP address space used in your network in the context of IPv4/v6 networks and subnets (referred to as scopes) and ensure that the inventory of assignable IP addresses remains current and sufficient.

- View IP networks, their IP ranges, and their hierarchies
- Add, edit, import, and delete networks
- Schedule and manually run scans of networks
- View IP addresses within a selected network, add comments to individual IP addresses, and delete IP addresses from a network
- View, add, edit, and delete DHCP servers to automate the gathering of DHCP scope details. DHCP servers provide scopes to be used by the networks that you have added. You can select a scope and use it to create a network.
- View the scope of DHCP servers
- Raise incidents and events for when IPAM IP usage exceeds a threshold, and when an IPAM conflict is found (i.e., when a network has an IP range that is not present on its DHCP server)

* Networks cannot overlap unless one is the child of another

** Does not require additional licensing

ADDITIONAL NOTES:

Entuity RESTful API functionality allows undertaking of IPAM functions and specifies global values used in IPAM. In certain cases, you can specify individual network settings, e.g., when setting the "Usage Medium" and "Usage High" thresholds in an individual network.

IPAM networks are populated by scanning, which can be scheduled or run manually.

MULTI-SERVER CONFIGURATIONS

You may select different Entuity remote servers and perform the same functionality, e.g., viewing, adding, and editing networks and DHCP servers.

PARK PLACE HARDWARE MAINTENANCE™ **PARK PLACE** PROFESSIONAL SERVICES™ **ParkView** MANAGED SERVICES™ **ENTUITY** SOFTWARE™ **curvature** A Park Place Technologies Company

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IP Address Management (IPAM)

Events and Incidents

CONFLICTS

Entuity checks for conflicts every time a network scope is added or modified and whenever a DHCP server is scanned. If a network has an IP range that is not present on its DHCP server, the 'Does not match any DHCP scope' conflict will be raised and displayed in the IPAM network table. To resolve this conflict, you can modify or delete the conflicting network or add the scope to the DHCP server (on the server side).

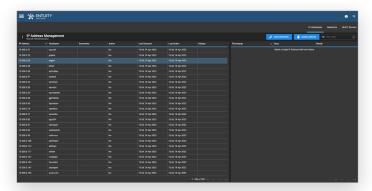Issues and conflicts in IP Address Management can raise the following incidents and events:

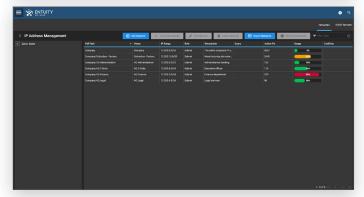### IPAM IP USAGE OVER THRESHOLD INCIDENT:

- IPAM IP Usage Over Threshold - a network has a percentage of active IP addresses that exceed the network's Usage High value, or the global setting's Usage High value.

- IPAM IP Usage OK - a network has a % of active IP addresses that is now equal or below the network's Usage High value, or the global setting's Usage High value.

IPAM CONFLICT FOUND INCIDENT:

- IPAM Conflict Found - a network has a conflict.

- IPAM Conflict Resolved - a network's conflict was resolved

IPAM Dashboards

About Entuity:

Designed for today's multi-vendor networks, Entuity Software™ enables NetOps teams to more efficiently and effectively monitor, visualise, and manage their networks.

- Significantly reduces alert noise so you can focus on what is important.

- Resolves issues quickly and gets to the root cause using real-time analytics.

- Delivers proactive management with predictive trends.

- Supports a multi-cloud strategy. Entuity is easy to install, customise, operate, and maintain and lowers total cost of ownership to a fraction of other products.

Think Bigger – and Act Faster with Park Place Technologies