

Cloud IPAM Sync for Microsoft Azure

Global network and IP visibility in the IPAM

Highlights

- Avoid losing control when deploying infrastructure in Azure IaaS
- SOLIDserver IPAM provides total visibility of networking infrastructure deployed in Azure Cloud
- Through synchronization, IPAM information is always up-to-date
- Security is fully controlled from Azure Active Directory
- Network automation can be triggered by objects synchronized from Azure
- Ecosystem fully aware of Azure resources, using IPAM open APIs

Any workload deployed in a renowned and integrated environment is automatically well managed and provides a controlled service level. For workloads deployed elsewhere, it is more complex to ensure all processes and enforcement are fully controlled. For providing control, a good place to start is with a repository of all the assets, and then ensuring the repository is kept up-to-date. IPAM, which is one part of the DDI strategy, offers this capability.

The DDI ecosystem needs to be fully interfaced with all the cloud environments deployed in a multi-cloud approach in order to guarantee central visibility and offer the ability to automate all processes.

Global Visibility Using Single Pane of Glass

SOLIDserver IPAM integrates a global view over Azure IP network resources hosting computing and services. This offers complete IP topology visibility of any networks deployed in the Azure public cloud, alongside the ones hosted on-premise. All the computing resources using IP addresses are also visible directly in the central IPAM, allowing unification of the administration process.

Once synchronization information is provided to the central IPAM, all the Azure cloud networks are automatically created, modified or removed during their lifetime, without any manual intervention. IPAM still remains the central repository even with Azure cloud hosted workloads. This enables visibility for I&O teams for processes like policy control, audit or accounting in addition to standard management and troubleshooting.

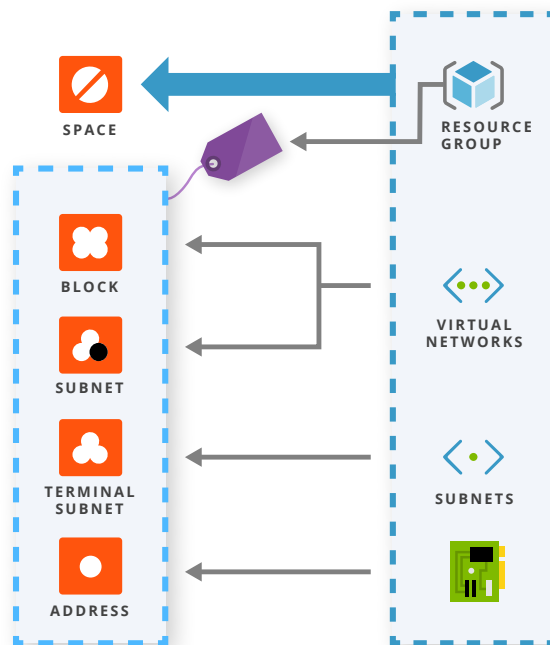
Azure cloud hosting can be split into multiple tenants and subscriptions. Generally a single tenant is enough to cover any usage across many countries. Subscriptions can be used to separate entities, for example to allow billing transfer to another entity or customer. Resource groups are also used to create application or environment zones.

Synchronization and Mapping

The IPAM cloud network synchronization is based on all these properties in order to be able to apply specific parameters to each, like frequency or space in which network topology will be found. If required, some networks can be filtered out from the synchronization process, for confidentiality or regulatory reasons for example.

SOLIDserver IPAM has a very clever way to present IP network information to the network administrator. The object hierarchy is presented on overlapping views, from the entire VLSM topology down to the single IP address.

From Azure topology, Cloud IPAM Sync automatically maps resource groups and all the contained virtual networks and subnets to the already existing IPAM topology in order to make navigation easier and more efficient.



Push Cloud Limits with Seamless Integration

SOLIDserver Cloud IPAM Sync is based on Microsoft Azure API and requires no additional tools or solutions to be set up. Security of access is controlled directly in the Azure Active Directory, and all communications use encrypted channels in order to guarantee confidentiality and integrity of the data exchanges.

Provisioning of the link between Microsoft Azure hosting solution and the SOLIDserver is a very simple task, requiring an identity to be created on the Active Directory and some parameters to be set in the IPAM. It only takes 5 minutes to perform all actions on both sides and directly see the subnets and endpoints created in the space during synchronization.

Network and Security Automation

With every IP networking object synchronized from Azure Cloud in the IPAM, the flexible APIs and automation process available by default in the SOLIDserver can be used for richer orchestration, control and security automation with the whole ecosystem. All existing tools and solutions already connected to the SOLIDserver DDI solution can directly benefit from Azure networking information and extend their coverage, without requiring any major change.



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As one of the world's fastest growing DDI vendors, EfficientIP helps organizations drive business efficiency through agile, secure and reliable network infrastructures. Our unified management framework for DNS-DHCP-IPAM (DDI) and network configurations ensures end-to-end visibility, consistency control and advanced automation. Additionally, our unique 360° DNS security solution protects data confidentiality and application access from anywhere at any time. Companies rely on us to help control the risks and reduce the complexity of challenges they face with modern key IT initiatives such as cloud applications, virtualization, and mobility. Institutions across a variety of industries and government sectors worldwide rely on our offerings to assure business continuity, reduce operating costs and increase the management efficiency of their network and security teams.
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