IPAM

SERVER 2012R2

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Dashboard	WELCOME TO SERV	VER MANAGER
Local Server All Servers File and Storage Sc Io IIS Remote Access	E Before you begin Before you begin Before you b	Add Roles and Features Wizard This wicard helps you install roles, role services, or features. You determine which features to install based on the computing needs of your organization, such as al hosting a website. To remove roles, role services, or features: Start the Remove Roles and Features: Mark the Remove Roles and Features: Mark the Remove Roles and Features: To remove roles, role services, or features: To remove roles, role services, or features: Start the Remove Roles and Features: To remove roles, role services, or features: To round the remove roles and features with the following tasks have been completed, or Complete the steps, and then run the wizard again. To continue, click News.
		Skip this page by default

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Select features

DESTINATION SERVER WIN-E630K0E1QHE.server2012.com



< Previous

Next >

Cancel

Install

Dashboard	WELCOME TO	JERVER MANAGER
All Servers		Add Roles and Features Wizard
File and Storage Se IIS (Remote Access	Confirm installa Before You Begin	To install the following roles, role services, or features on selected server, click In:
	Installation Type Server Selection Server Roles Features	Restart the destination server automatically if required Optional features (such as administration tools) might be displayed on this page been selected automatically. If you do not want to install these optional features, their check boxes.
	Confirmation Results	.NET Framework 4.5 Features ASP.NET 4.5 WCF Services TCP Activation IP Address Management (IPAM) Server Remote Server Administration Tools Feature Administration Tools IP Address Management (IPAM) Client Role Administration Tools DHCP Server Tools
		Export configuration settings Specify an alternate source path

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Server Manager



1 Connect to IPAM server	4	Start s	erver di:
Connect to an IPAM server		x	
Select a server to connect to:		t	or add s
Name			
WIN-E630K0E1QHE.server2012.com			
		5	ve data f
ETV Note: If the required IPAM server is unavailable in the above list close this dialog and add the server to pool of servers manager server manager console and relaunch this dialog to connect to	st, please ed by this the serve	r	CONFIGU
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Before you begin

Before you begin

Select provisioning method

Summary Completion IP Address Management (IPAM) provides a centralized management, monitoring, and auditing platform for IP address space and corresponding infrastructure servers on your network. IPAM provides this functionality by accessing the following Windows servers:

- DHCP Server
- DNS Server
- Network Policy Server (NPS)
- Active Directory Domain Controller (DC)

You can choose these servers to be managed or unmanaged by IPAM. Managed servers must be configured with access settings that allow IPAM to remotely manage, monitor or audit them. You can either configure these settings manually on each server, or IPAM can provision managed servers automatically using Group Policy Objects (GPOs).

This wizard allows you to choose the manual or Group Policy based provisioning method to configure required access settings on the managed servers.

IPAM database and custom IPAM security groups will be created on this server, as part of provisioning. Access rights will be assigned to the database and IPAM tasks and folders.

The managed server provisioning method cannot be changed after completing this wizard.

Learn more about IP address management

Configure database

Before you begin Configure database Select provisioning method	IPAM can be configured to store data in a Windows Internal Database or in a Microsoft SQL Server database. To use SQL, the database server must be running SQL Server 2008 R2 or later. Specify the type of IPAM database:
Summary	Windows Internal Database (WID)
Completion	* Enter the location where IPAM will store the database and log files: %WINDIR%\System32\IPAM\DataBase Use Default
	O Microsoft SQL Server
	* Server name:
	* Database name:
	* Port: 1433
	✓ Create a new schema
	The database can be migrated from WID to SQL, or its settings modified using Move- IpamDatabase and Set-IpamDatabase Windows PowerShell cmdlets for IPAM Server. Learn more about the IPAM database
	< Previous Next > Apply Cancel

Select provisioning method

Before you begin

Select provisioning method

Summary

Completion

Managed servers must be configured with settings that allow IPAM to access remote management functions and event information.

Learn more about access provisioning on managed servers

Select a provisioning method for managed servers:

O Manual

The manual provisioning method requires that you configure the required network shares, security groups, and firewall rules manually on each managed server.

Group Policy Based

The Group Policy based provisioning method requires Group Policy Objects (GPO) to be created in each domain that you manage with this IPAM server. IPAM will automatically configure settings on managed servers by adding the server to appropriate GPO. This can be especially useful in a large network with many managed servers. GPOs that you create must follow naming conventions used by IPAM, however you can customize the GPO name with a prefix of your choice. GPO name prefix, should be unique for each IPAM instance running in an AD forest.

GPO name prefix:

IPAM

Create the GPOs in each IPAM managed domain using the IPAM powershell cmdlet 'Invoke-IpamGpoProvisioning'.

Summary

Before you begin Select provisioning method

Summary

Completion

Confirm the Settings

You have selected the Group Policy based provisioning method to configure required access settings on the managed servers. These settings will be applied on managed servers using the following GPOs:

- IPAM_DHCP for DHCP servers
- IPAM_DNS for DNS servers.
- IPAM_DC_NPS for domain controllers and NPS servers.
- Create the GPOs in each IPAM managed domain using the IPAM powershell cmdlet 'Invoke-IpamGpoProvisioning'.

Learn more about group policy based provisioning.

IPAM provisioning wizard will also:

- Create IPAM security groups.
- Create IPAM database and configure access.
- Configure access to IPAM tasks and folders.

Click Apply to confirm these settings.

The managed server provisioning method cannot be changed after completing this wizard.

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Provision IPA

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Completion

Provisioning in progress...

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< Previous Next > Close Cancel

Completion

Before you begin Select provisioning method Summary

Completion

IPAM provisioning completed successfully

The following settings were successfully provisioned:

- Group Policy based provisioning method is used to configure required access settings on the managed servers. These settings will be applied on managed servers using the following GPOs:
 - IPAM_DHCP for DHCP servers
 - IPAM_DNS for DNS servers.
 - IPAM_DC_NPS for domain controllers and NPS servers.
- IPAM security groups created.
- · IPAM database created and access configured.
- Access to IPAM tasks and folders configured.

Next steps:

Create the GPOs in each IPAM managed domain using the IPAM powershell cmdlet 'Invoke-IpamGpoProvisioning'. Domain Administrator privileges will be required to create the GPOs. Learn more about group policy based provisioning.







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IPAM Server Name: Ion-svr2.adatum.com Managed Domains: adatum.com



Filter			۲
tatus Task Name	Stage Message	Action	Notifications
IPAM ServerDiscov	very task Running	والمتحدية والمتحديدة والمراج	0
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Filter	۹ • ۱۱) -		۲
itatus T	Task Name Stage Messa	je	Action	Notifications
Ĩ	PAM ServerDiscovery task Comple Discov	ered servers are based on: 10/	22/2014 &	0
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SERVER INVENTO_ IP ADDRESS SPACE **IP Address Blocks** IP Address Inve... IP Address Ran... MONITOR AND ... DNS and DHCP... **DHCP** Scopes DNS Zone Moni.... Server Groups EVENT CATALOG



Recon	nmended Action	Manageability Statu	s IPAM Access Status	Server Name
🔥 Se	t Manageability Stat	us Unspecified	Blocked	lon-svr1
🛕 Se	t Manageability Stat	us Unspecified	Blocked	lon-dc1
	Set Manage And showing	eability Status w ng up as Blocked.	ith a warning sig We now need t	n. o
	unblock the	e server so that if	can be managed	u.
	unblock the Right Click	the server so that it	elect Edit Server	

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contoso com GpoPrefixName IRAM I pamServerFqdn ipam contoso com DomainController orange-dc.contoso.com

PS C:\Users\administrator.ADATUM> Invoke-IpamGpoProvisioning -Domain Adatum.com -GpoPrefixN Svr2.adatum.com

Invoke-IpamGpoProvisioning -Domain contoso.com -GpoPrefixName IPAM -IpamServerFqdn ipam.contoso.com -DomainController orange-dc.contoso.com

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Provisioning IPAM ...

Validating parameters ...

Confirm

The Invoke-IpamGpoProvisioning cmdlet creates and links three Group Policy Objects in the d parameter, for provisioning IPAM access settings on the servers that are managed by IPAM. T domain wide DNS ACL to enable read access for IPAM. The value of GpoPrefixName must be the the IPAM provisioning wizard when selecting the option of Group Policy Based provisioning. action?

[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y

IPv4 | 2 total





SERVER INVENTO.... IP ADDRESS SPACE **IP Address Blocks** IP Address Inve... IP Address Ran... MONITOR AND ... DNS and DHCP... **DHCP** Scopes DNS Zone Moni.... Server Groups



EVENT CATALOG

IPv6

Managed Serv... 🕨

Unmanaged S... 🕨

Recommended Action	Manageability Status	IPAM Access Status	Server Name	1
🛕 Set Manageability Statu:	s Unspecified	Blocked	lon-svr1	(
Unblock IPAM Access	Managed	Blocked	lon-dc1	
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SERVER INVENTO_ IP ADDRESS SPACE **IP Address Blocks** IP Address Inve... IP Address Ran.... MONITOR AND DNS and DHCP... **DHCP Scopes** DNS Zone Moni.... Server Groups EVENT CATALOG

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