Microsoft Windows As Built Report

Zen Pr Solutions

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1 server-dc-01v.pharmax.local

The following table details the Windows Host server-dc-01v.pharmax.local

1.1 Host Hardware Settings

The following section details hardware settings for the host

Manufacturer	VMware, Inc.
Model	VMware7,1
Product ID	
Serial Number	VMware-42 30 c4 38 76 68 26 b8-8b 58 37 88 3c c2 77 62
BIOS Version	INTEL - 6040000
Processor Manufacturer	GenuineIntel
Processor Model	Intel(R) Core(TM) i7-6700 CPU @ 3.40GHz
Number of Processors	
Number of CPU Cores	2
Number of Logical Cores	2
Physical Memory	4 GB

Table 1 - Host Hardware Specifications

1.2 Host Operating System

The following settings details host OS Settings

1.2.1 OS Configuration

The following section details hos OS configuration

Windows Product Name	Windows Server 2019 Standard
Windows Version	6.3
Windows Build Number	10.0.17763
Windows Install Type	Server
AD Domain	pharmax.local
Windows Installation Date	9/8/2020
Time Zone	(UTC-04:00) Georgetown, La Paz, Manaus, San Juan
License Type	Volume:GVLK
Partial Product Key	J464C

Table 2 - OS Settings

1.2.2 Installed Hotfixes

The following table details the OS Hotfixes installed

Hotfix ID	Description	Installation Date
KB4486153	Update	9/4/2022

Hotfix ID	Description	Installation Date
KB4512577	Security Update	9/7/2019
KB4523204	Security Update	12/3/2019
KB4535680	Security Update	1/25/2021
KB4549947	Security Update	5/26/2020
KB4566424	Security Update	9/9/2020
KB4570332	Security Update	9/9/2020
KB4577667	Security Update	11/1/2020
KB4587735	Security Update	12/31/2020
KB4589208	Update	3/11/2021
KB4598480	Security Update	1/25/2021
KB4601393	Security Update	2/13/2021
KB5000859	Security Update	3/11/2021
KB5001404	Security Update	5/7/2021
KB5003243	Security Update	5/17/2021
KB5003711	Security Update	6/9/2021
KB5005112	Security Update	8/11/2021
KB5005701	Security Update	9/15/2021
KB5006754	Update	11/12/2021
KB5008287	Security Update	12/16/2021
KB5008539	Update	12/7/2021
KB5009642	Update	2/10/2022
KB5011574	Update	4/16/2022
KB5012170	Security Update	8/13/2022
KB5012675	Update	5/11/2022
KB5014031	Update	6/15/2022
KB5014797	Update	7/17/2022
KB5015896	Update	8/13/2022
KB5017263	Update	10/13/2022
KB5017315	Security Update	9/30/2022
KB5017400	Update	10/13/2022

Table 3 - Installed Hotfixes

1.2.3 Missing Windows Updates

The following section provides a summary of pending/missing windows updates.

KB Article	Name
KB5018419	2022-10 Cumulative Update for Windows Server 2019 for x64-based Systems (KB5018419)

Table 4 - Missing Windows Updates

1.2.4 Drivers

The following section details host drivers

Class Description	Provider Name	Driver Version	Version Date
Display adapters	VMware, Inc.	9.17.4.1	7/13/2022
Firmware	VMware, Inc.	1.0.0.0	4/24/2017
Mice and other pointing devices	VMware, Inc.	12.5.12.0	10/27/2021
Mice and other pointing devices	VMware, Inc.	12.5.12.0	10/27/2021
Network adapters	VMware, Inc.	1.9.9.0	6/6/2022
Network Service	Nmap Project	10.59.20.482	11/29/2021
Printers	Microsoft	10.0.17763.1	6/21/2006
Printers	Microsoft	10.0.17763.1	6/21/2006
Storage controllers	VMware, Inc.	1.3.25.0	3/3/2022
System devices	VMware, Inc.	9.8.16.0	7/11/2019
System devices	VMware, Inc.	9.8.6.0	5/25/2016
System devices	VMware, Inc.	9.8.18.0	10/29/2021

Table 5 - Hardware Drivers

1.2.5 Roles

The following settings details host roles installed

Name	Type	Description
Active Directory Certificate Services	Role	Active Directory Certificate Services (AD CS) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.
Active Directory Domain Services	Role	Active Directory Domain Services (AD DS) stores information about objects on the network and makes this information available to users and network administrators. AD DS uses domain controllers to give network users access to permitted resources anywhere on the network through a single logon process.
DHCP Server	Role	Dynamic Host Configuration Protocol (DHCP) Server enables you to centrally configure, manage, and provide temporary IP addresses and related information for client computers.
DNS Server	Role	Domain Name System (DNS) Server provides name resolution for TCP/IP networks. DNS Server is easier to manage when it is installed on the same server as Active Directory Domain Services. If you select the Active Directory Domain Services role, you can install and configure DNS Server and Active Directory Domain Services to work together.
File and Storage Services	Role	File and Storage Services includes services that are always installed, as well as functionality that you can install to help manage file servers and storage.
Web Server (IIS)	Role	Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
Windows Server Update Services	Role	Windows Server Update Services allows network administrators to specify the Microsoft updates that should be installed, create separate groups of computers for different sets of updates, and get reports on

Name	Type	Description
		the compliance levels of the computers and the updates that must be installed.

Table 6 - Roles

1.2.5.1 Features and Role Services

The following settings details host features and role services installed

Name	Type	Description
.NET Extensibility 4.7	Role Service	.NET extensibility allows managed code developers to change, add and extend web server functionality in the entire request pipeline, the configuration, and the UI. Developers can use the familiar ASP.NET extensibility model and rich .NET APIs to build Web server features that are just as powerful as those written using the native C++ APIs.
.NET Framework 3.5 (includes .NET 2.0 and 3.0)	Feature	.NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
.NET Framework 3.5 Features	Feature	.NET Framework 3.5 combines the power of the .NET Framework 2.0 APIs with new technologies for building applications that offer appealing user interfaces, protect your customers' personal identity information, enable seamless and secure communication, and provide the ability to model a range of business processes.
.NET Framework 4.7	Feature	.NET Framework 4.7 provides a comprehensive and consistent programming model for quickly and easily building and running applications that are built for various platforms including desktop PCs, Servers, smart phones and the public and private cloud.
.NET Framework 4.7 Features	Feature	.NET Framework 4.7 provides a comprehensive and consistent programming model for quickly and easily building and running applications that are built for various platforms including desktop PCs, Servers, smart phones and the public and private cloud.
Active Directory Administrative Center	Feature	Active Directory Administrative Center provides users and network administrators with an enhanced Active Directory data management experience and a rich graphical user interface (GUI) to perform common Active Directory object management tasks.
Active Directory Certificate Services Tools	Feature	Active Directory Certificate Services Tools includes the Certification Authority, Certificate Templates, Enterprise PKI, and Online Responder Management snap-ins.
Active Directory module for Windows PowerShell	Feature	The Active Directory module for Windows PowerShel and the tools it provides can be used by Active Directory administrators to manage Active Directory Domain Services (AD DS) at the command line.
AD DS and AD LDS Tools	Feature	Active Directory Domain Services (AD DS) and Active Directory Lightweight Directory Services (AD LDS) Tools includes snap-ins and command-line tools for remotely managing AD DS and AD LDS.
AD DS Snap-Ins and Command-Line Tools	Feature	Active Directory Domain Services Snap-Ins and Command-Line Tools includes Active Directory Users and Computers, Active Directory Domains and Trusts, Active Directory Sites and Services, and other snap-ins and command-line tools for remotely managing Active Directory domain controllers.

Name	Type	Description
AD DS Tools	Feature	Active Directory Domain Services (AD DS) Tools includes snap-ins and command-line tools for remotely managing AD DS.
API and PowerShell cmdlets	Feature	Installs the .NET API and PowerShell cmdlets for remote management, automated task creation, and managing WSUS from the command line.
Application Development	Role Service	Application Development provides infrastructure for developing and hosting Web applications. Use these features to create Web content or extend the functionality of IIS. These technologies typically provide a way to perform dynamic operations that result in the creation of HTML output, which IIS then sends to fulfill client requests.
ASP.NET 4.7	Role Service	ASP.NET provides a server side object oriented programming environment for building Web sites and Web applications using managed code. ASP.NET 4.7 is not simply a new version of ASP. Having been entirely re-architected to provide a highly productive programming experience based on the .NET Framework, ASP.NET provides a robust infrastructure for building web applications.
ASP.NET 4.7	Feature	ASP.NET 4.7 provides core support for running ASP.NET 4.7 stand-alone applications as well as applications that are integrated with IIS.
Certification Authority	Role Service	Certification Authority (CA) is used to issue and manage certificates. Multiple CAs can be linked to form a public key infrastructure.
Certification Authority Management Tools	Feature	Active Directory Certification Authority Management Tools includes the Certification Authority, Certificate Templates, and Enterprise PKI snap-ins.
Common HTTP Features	Role Service	Common HTTP Features supports basic HTTP functionality, such as delivering standard file formats and configuring custom server properties. Use Common HTTP Features to create custom error messages, to configure how the server responds to requests that do not specify a document, or to automatically redirect some requests to a different location.
Configuration APIs	Feature	Configuration APIs enable applications that are built using the .NET Framework to configure Windows Process Activation Model programmatically. This lets the application developer automatically configure Windows Process Activation Model settings when the application runs instead of requiring the administrator to manually configure these settings.
Default Document	Role Service	Default Document lets you configure a default file for the Web server to return when users do not specify a file in a request URL. Default documents make it easier and more convenient for users to reach your Web site.
DHCP Server Tools	Feature	DHCP Server Tools includes the DHCP MMC snap-in, DHCP server netsh context and Windows PowerShell module for DHCP Server.
DNS Server Tools	Feature	DNS Server Tools includes the DNS Manager snap-in, dnscmd.exe command-line tool and Windows PowerShell module for DNS Server.
Dynamic Content Compression	Role Service	Dynamic Content Compression provides infrastructure to configure HTTP compression of dynamic content. Enabling dynamic compression always gives you more efficient utilization of bandwidth, but if your server's processor utilization is already very high, the CPU load imposed by dynamic compression might make your site perform more slowly.
File and iSCSI Services	Role Service	File and iSCSI Services provides technologies that help you manage file servers and storage, reduce disk space utilization, replicate and cache files to branch offices, move or fail over a file share to another cluster node, and share files by using the NFS protocol.

Name	Type	Description
File Server	Role Service	File Server manages shared folders and enables users to access files on this computer from the network.
Group Policy Management	Feature	Group Policy Management is a scriptable Microsoft Management Console (MMC) snap-in, providing a single administrative tool for managing Group Policy across the enterprise. Group Policy Management is the standard tool for managing Group Policy.
HTTP Activation	Feature	HTTP Activation supports process activation via HTTP. Applications that use HTTP Activation can start and stop dynamically in response to work items that arrive over the network via HTTP.
Hyper-V Management Tools	Feature	Hyper-V Management Tools includes GUI and command-line tools for managing Hyper-V.
Hyper-V Module for Windows PowerShell	Feature	Hyper-V Module for Windows PowerShell includes Windows PowerShell cmdlets for managing Hyper-V.
IIS 6 Management Compatibility	Role Service	IIS 6 Management Compatibility provides forward compatibility for your applications and scripts that use the two IIS APIs, Admin Base Object (ABO) and Active Directory Service Interface (ADSI). You can use existing IIS 6 scripts to manage the IIS 10 Web server.
IIS 6 Metabase Compatibility	Role Service	IIS 6 Metabase Compatibility provides infrastructure to query and configure the metabase so that you can run applications and scripts migrated from earlier versions of IIS that use Admin Base Object (ABO) or Active Directory Service Interface (ADSI) APIs.
IIS Management Console	Role Service	IIS Management Console provides infrastructure to manage IIS 10 by using a user interface. You can use the IIS management console to manage a local or remote Web server that runs IIS 10. To manage SMTP, you must install and use the IIS 6 Management Console.
IIS Management Scripts and Tools	Role Service	IIS Management Scripts and Tools provide infrastructure to programmatically manage an IIS 10 Web server by using commands in a command window or by running scripts. You can use these tools when you want to automate commands in batch files or when you do not want to incur the overhead of managing IIS by using the user interface.
ISAPI Extensions	Role Service	Internet Server Application Programming Interface (ISAPI) Extensions provides support for dynamic Web content developing using ISAPI extensions. An ISAPI extension runs when requested just like any other static HTML file or dynamic ASP file. Since ISAPI applications are compiled code, they are processed much faster than ASP files or files that call COM+ components.
ISAPI Filters	Role Service	Internet Server Application Programming Interface (ISAPI) Filters provides support for Web applications that use ISAPI filters. ISAPI filters are files that can extend or change the functionality provided by IIS. An ISAPI filter reviews every request made to the Web server, until the filter finds one that it needs to process.
Management Tools	Role Service	Management Tools provide infrastructure to manage a Web server that runs IIS 10. You can use the IIS user interface, command-line tools, and scripts to manage the Web server. You can also edit the configuration files directly.
Online Responder Tools	Feature	Online Responder Tools includes the Online Responder Management snap-in.
Performance	Role Service	Performance provides infrastructure for output caching by integrating the dynamic output-caching capabilities of ASP.NET with the static output-caching capabilities that were present in IIS 6.0. IIS also lets

Name	Type	Description
		you use bandwidth more effectively and efficiently by using common compression mechanisms such as Gzip and Deflate.
Process Model	Feature	Process Model hosts Web and WCF services. Introduced with IIS 6.0, the process model is a new architecture that features rapid failure protection, health monitoring, and recycling. Windows Process Activation Service Process Model removes the dependency on HTTP.
Remote Server Administration Tools	Feature	Remote Server Administration Tools includes snap-ins and command-line tools for remotely managing roles and features.
Request Filtering	Role Service	Request Filtering screens all incoming requests to the server and filters these requests based on rules set by the administrator. Many malicious attacks share common characteristics, like extremely long requests, or requests for an unusual action. By filtering requests, you can attempt to mitigate the impact of these type attacks.
Role Administration Tools	Feature	Role Administration Tools includes snap-ins and command-line tools for remotely managing roles.
Security	Role Service	Security provides infrastructure for securing the Web server from users and requests. IIS supports multiple authentication methods. Pick an appropriate authentication scheme based upon the role of the server. Filter all incoming requests, rejecting without processing requests that match user defined values, or restrict requests based on originating address space.
Static Content	Role Service	Static Content allows the Web server to publish static Web file formats, such as HTML pages and image files. Use Static Content to publish files on your Web server that users can then view using a Web browser.
Storage Services	Role Service	Storage Services provides storage management functionality that is always installed and cannot be removed.
System Data Archiver	Feature	Provides services to collect and archive Windows Server system data.
TCP Port Sharing	Feature	TCP Port Sharing allows multiple net.tcp applications to share a single TCP port. Consequently, these applications can coexist on the same physical computer in separate, isolated processes, while sharing the network infrastructure required to send and receive traffic over a TCP port, such as port 808.
User Interface Management Console	Feature	Installs the WSUS Management Console user interface (UI).
WCF Services	Feature	Windows Communication Foundation (WCF) Activation uses Windows Process Activation Service to invoke applications remotely over the network by using protocols such as HTTP, Message Queuing, TCP, and named pipes. Consequently, applications can start and stop dynamically in response to incoming work items, resulting in application hosting that is more robust, manageable, and efficient.
Web Server	Role Service	Web Server provides support for HTML Web sites and optional support for ASP.NET, ASP, and Web server extensions. You can use the Web Server to host an internal or external Web site or to provide an environment for developers to create Web-based applications.
WID Connectivity	Role Service	Installs the database used by WSUS into WID.

Name	Type	Description
Windows Authentication	Role Service	Windows authentication is a low cost authentication solution for internal Web sites. This authentication scheme allows administrators in a Windows domain to take advantage of the domain infrastructure for authenticating users. Do not use Windows authentication if users who must be authenticated access your Web site from behind firewalls and proxy servers.
Windows Defender Antivirus	Feature	Windows Defender Antivirus helps protect your machine from malware.
Windows Internal Database	Feature	Windows Internal Database is a relational data store that can be used only by Windows roles and features, such as Active Directory Rights Management Services, Windows Server Update Services, and Windows System Resource Manager.
Windows PowerShell	Feature	Windows PowerShell enables you to automate local and remote Windows administration. This task-based command-line shell and scripting language is built on the Microsoft .NET Framework. It includes hundreds of built-in commands and lets you write and distribute your own commands and scripts.
Windows PowerShell 2.0 Engine	Feature	Windows PowerShell 2.0 Engine includes the core components from Windows PowerShell 2.0 for backward compatibility with existing Windows PowerShell host applications.
Windows PowerShell 5.1	Feature	Windows PowerShell enables you to automate local and remote Windows administration. This task-based command-line shell and scripting language is built on the Microsoft .NET Framework. It includes hundreds of built-in commands and lets you write and distribute your own commands and scripts.
Windows PowerShell ISE	Feature	Windows PowerShell Integrated Scripting Environment (ISE) lets you compose, edit, and debug scripts and run multi-line interactive commands in a graphical environment. Features include IntelliSense, tab completion, snippets, color-coded syntax, line numbering, selective execution, graphical debugging, right-to-left language and Unicode support.
Windows Process Activation Service	Feature	Windows Process Activation Service generalizes the IIS process model, removing the dependency on HTTP. All the features of IIS that were previously available only to HTTP applications are now available to applications hosting Windows Communication Foundation (WCF) services, using non-HTTP protocols. IIS 10.0 also uses Windows Process Activation Service for message-based activation over HTTP.
Windows Server Update Services Tools	Feature	Windows Server Update Services Tools includes graphical and Powershell tools for managing WSUS.
WoW64 Support	Feature	Includes all of WoW64 to support running 32-bit applications on Server Core installations. This feature is required for full Server installations. Uninstalling WoW64 Support will convert a full Server installation into a Server Core installation.
WSUS Services	Role Service	Installs the services used by Windows Server Update Services: Update Service, the Reporting Web Service, the API Remoting Web Service, the Client Web Service, the Simple Web Authentication Web Service, the Server Synchronization Service, and the DSS Authentication Web Service.
XPS Viewer	Feature	The XPS Viewer is used to read, set permissions for, and digitally sign XPS documents.

Table 7 - Feature & Role Services

1.2.6 Installed Applications

The following settings details applications listed in Add/Remove Programs

Application Name	Publisher	Version	Install Date
7-Zip 19.00 (x64)	Igor Pavlov		-
AD Replication Status Tool 1.0	Microsoft Corporation	51773855	20220903
Administrative Templates (.admx) for Windows 10 October 2020 Update	Microsoft Coporation	16777216	20210310
DiskMax 6.21	KoshyJohn.com		17/11/2021
Lingering Object Liquidator v2	Microsoft Corp	16777216	20220710
Local Administrator Password Solution	Microsoft Corporation	100794368	20201101
Microsoft Command Line Utilities 15 for SQL Server	Microsoft Corporation	251660240	20210128
Microsoft Edge	Microsoft Corporation	1577059296	20211002
Microsoft Edge Update		1.3.169.31	-
Microsoft ODBC Driver 17 for SQL Server	Microsoft Corporation	285605889	20210128
Microsoft Report Viewer 2012 Runtime	Microsoft Corporation	184618364	20210310
Microsoft System CLR Types for SQL Server 2012 (x64)	Microsoft Corporation	184818521	20210310
Microsoft System CLR Types for SQL Server 2019	Microsoft Corporation	251660240	20210310
Microsoft Visual C++ 2015-2022 Redistributable (x64) - 14.32.31326	Microsoft Corporation		-
Microsoft Visual C++ 2015-2022 Redistributable (x86) - 14.32.31326	Microsoft Corporation		-
Microsoft Visual C++ 2022 X64 Additional Runtime - 14.32.31326	Microsoft Corporation	237009502	20220825
Microsoft Visual C++ 2022 X64 Minimum Runtime - 14.32.31326	Microsoft Corporation	237009502	20220825
Microsoft Visual C++ 2022 X86 Additional Runtime - 14.32.31326	Microsoft Corporation	237009502	20220825
Microsoft Visual C++ 2022 X86 Minimum Runtime - 14.32.31326	Microsoft Corporation	237009502	20220825
Npcap	Nmap Project		-
RVTools	Robware	67305473	20220824
Veeam Agent for Microsoft Windows	Veeam Software Group GmbH	83886083	20220916
Veeam Backup Transport	Veeam Software Group GmbH	184549377	20220916

Application Name	Publisher	Version	Install Date
Veeam Backup VSS Integration	Veeam Software Group GmbH	184549377	20220916
Veeam Installer Service	Veeam Software Group GmbH	11	
Veeam VSS Hardware Provider	Veeam Software Group GmbH	83886081	20220916
VMware Tools	VMware, Inc.	201392128	20220825

Table 8 - Installed Applications

1.2.7 Services

The following table details status of important services

Display Name	Short Name	Status
Active Directory Domain Services	NTDS	Running
Active Directory Web Services	ADWS	Running
DFS Replication	DFSR	Running
DHCP Server	DHCPServer	Running
DNS Client	Dnscache	Running
DNS Server	DNS	Running
Group Policy Client	gpsvc	Running
HV Host Service	HvHost	Stopped
Intersite Messaging	IsmServ	Running
IP Helper	iphlpsvc	Running
Kerberos Key Distribution Center	Kdc	Running
Microsoft iSCSI Initiator Service	MSiSCSI	Stopped
Netlogon	Netlogon	Running
Remote Access Connection Manager	RasMan	Running
Remote Desktop Configuration	SessionEnv	Running
Remote Desktop Services	TermService	Running
Remote Procedure Call (RPC)	RpcSs	Running
RPC Endpoint Mapper	RpcEptMapper	Running
Security Accounts Manager	SamSs	Running
Server	LanmanServer	Running
Task Scheduler	Schedule	Running
TCP/IP NetBIOS Helper	lmhosts	Running
Update Orchestrator Service	UsoSvc	Running
Windows Defender Firewall	mpssvc	Running
Windows Time	W32Time	Running
World Wide Web Publishing Service	W3SVC	Running

Table 9 - Services Status

1.3 Windows Firewall

The Following table is a the Windowss Firewall Summary

Profile	Profile Enabled	Inbound Action	Outbound Action
Domain	No	NotConfigured	NotConfigured
Private	No	NotConfigured	NotConfigured
Public	No	NotConfigured	NotConfigured

Table 10 - Windows Firewall Profiles

1.4 Host Networking

The following section details Host Network Configuration

1.4.1 Network Adapters

The Following table details host network adapters

Adapter Name	Adapter Description	Mac Address	Link Speed
Ethernet0	vmxnet3 Ethernet Adapter	00-50-56-B0-06-66	10 Gbps

Table 11 - Network Adapters

1.4.2 IP Addresses

The following table details IP Addresses assigned to hosts

Interface Name	Interface Description	IPv4 Addresses	Subnet Mask	IPv4 Gateway
Ethernet0	vmxnet3 Ethernet Adapter	192.168.5.1	24	192.168.5.254

Table 12 - Net IP Addresse

1.4.3 DNS Client

The following table details the DNS Seach Domains

DNS Suffix	Use Suffix Search List	Use Devolution	Devolution Level
pharmax.local	Yes	Yes	0

Table 13 - DNS Seach Domain

1.4.4 DNS Servers

The following table details the DNS Server Addresses Configured

Interface	Server Address
Ethernet0	192.168.5.1,127.0.0.1,8.8.8.8

Table 14 - DNS Servers

1.4.5 Network Adapter MTU

The following table lists Network Adapter MTU settings

Adapter Name	MTU Size
Ethernet0	1514

Table 15 - Network Adapter MTU

1.5 Host Storage

The following section details the storage configuration of the host

1.5.1 Local Disks

The following table details physical disks installed in the host

Disk Number	Model	Serial Number	Partition Style	Disk Size
0	Virtual disk	6000c29c7f11e99c680100bda1fc4ab7	2	60 GB
1	Virtual disk	6000c2995177a4c4f6abbc62df6d231c	2	500 GB

Table 16 - Local Disks

1.5.2 Host Volumes

The following section details local volumes on the host

Drive Letter	File System Label	File System	Size	Free Space	Health Status
C		NTFS	59 GB	31 GB	1
E	WSUS	NTFS	500 GB	290 GB	0

Table 17 - Host Volumes

1.6 IIS Configuration Settings

The following table details the IIS Server Settings

Default Application Pool	Enabled Protocols	Logfile Path	Server Auto Start
DefaultAppPool	HTTP	%SystemDrive%\inetpub\logs\LogFiles	Yes

Table 18 - IIS Host Settings

1.6.1 Application Pools

The following table lists IIS Application Pools

Name	Status	CLR Ver	Pipeline Mode	Start Mode
DefaultAppPool	Started	v4.0	Integrated	OnDemand
.NET v4.5 Classic	Started	v4.0	Classic	OnDemand
.NET v4.5	Started	v4.0	Integrated	OnDemand
WsusPool	Started	v4.0	Integrated	OnDemand

Table 19 - Application Pools

1.6.2 Sites Summary

The following table provide a summary of IIS Web Sites

Name	Status	Binding	Application Pool
Default Web Site	Stopped	http 192.168.5.1:80:server-dc-01v	DefaultAppPool
WSUS Administration	Started	http :8530: https *:8531: sslFlags=0	WsusPool

Table 20 - IIS Web Sites

1.6.2.1 Sites Configuration

The following section details IIS Web Sites configuration

1.6.2.1.1 Default Web Site

The following table details Default Web Site settings

Name	Default Web Site
Auto Start	No
Enabled Protocols	http
URL	-
Path	%SystemDrive%\inetpub\wwwroot
Log Path	%SystemDrive%\inetpub\logs\LogFiles

Table 21 - IIS Web Sites - Default Web Site

1.6.2.1.2 WSUS Administration

The following table details WSUS Administration settings

Name	WSUS Administration
Auto Start	Yes
Enabled Protocols	http

URL	http://localhost:8530/
Path	C:\Program Files\Update Services\WebServices\Root\
Log Path	%SystemDrive%\inetpub\logs\LogFiles

Table 22 - IIS Web Sites - WSUS Administration

1.6.2.1.2.1 Web Applications

The following table details WSUS Administration Web Application

Name	Application pool	Physical Path
/ReportingWebService	WsusPool	C:\Program Files\Update Services\WebServices\ReportingWebService
/ClientWebService	WsusPool	C:\Program Files\Update Services\WebServices\ClientWebService
/SimpleAuthWebService	WsusPool	C:\Program Files\Update Services\WebServices\SimpleAuthWebService
/ServerSyncWebService	WsusPool	C:\Program Files\Update Services\WebServices\ServerSyncWebService
/DssAuthWebService	WsusPool	C:\Program Files\Update Services\WebServices\DssAuthWebService
/Inventory	WsusPool	C:\Program Files\Update Services\Inventory
/ApiRemoting30	WsusPool	C:\Program Files\Update Services\WebServices\ApiRemoting30

Table 23 - Web Applications - WSUS Administration

1.7 File Server Configuration Settings

The following table details the File Server Settings

Auto Share Server	Yes
Enable Leasing	Yes
Enable MultiChannel	Yes
Enable Oplocks	Yes
Keep Alive Time	2
SMB1 Protocol	No
SMB2 Protocol	Yes

Table 24 - SMB Server Settings

1.7.1 SMB Network Interface

The following table provide a summary of the SMB protocol network interface information

Name	RSS Capable	RDMA Capable	IP Address
Ethernet0	Yes	No	192.168.5.1

Table 25 - SMB Network Interfaces

1.7.2 File Shares

The following section details network shares

1.7.2.1 NETLOGON Share

The following table details shares configuration

Name	NETLOGON
Scope Name	*
Path	C:\Windows\SYSVOL\sysvol\pharmax.local\SCRIPTS
Description	Logon server share
Access Based Enumeration Mode	Unrestricted
Caching Mode	Manual
Encrypt Data	No
State	Online

Table 26 - File Server Shares - NETLOGON

1.7.2.1.1 Permissions

The following table details NETLOGON shares permissions

Scope Name	Account Name	Access Control Type	Access Right
*	Everyone	Allow	Read
*	BUILTIN\Administrators	Allow	Full

Table 27 - Share Permissions - NETLOGON

1.7.2.2 SYSVOL Share

The following table details shares configuration

Name	SYSVOL
Scope Name	*
Path	C:\Windows\SYSVOL\sysvol
Description	Logon server share
Access Based Enumeration Mode	Unrestricted
Caching Mode	Manual
Encrypt Data	No
State	Online

Table 28 - File Server Shares - SYSVOL

1.7.2.2.1 Permissions

The following table details SYSVOL shares permissions

Scope Name	Account Name	Access Control Type	Access Right
*	Everyone	Allow	Read
*	BUILTIN\Administrators	Allow	Full
*	NT AUTHORITY\Authenticated Users	Allow	Full

Table 29 - Share Permissions - SYSVOL

1.7.2.3 UEMConfig Share

The following table details shares configuration

Name	UEMConfig
Scope Name	*
Path	E:\UEMConfig
Description	
Access Based Enumeration Mode	Unrestricted
Caching Mode	Manual
Encrypt Data	No
State	Online

Table 30 - File Server Shares - UEMConfig

1.7.2.3.1 Permissions

The following table details UEMConfig shares permissions

Scope Name	Account Name	Access Control Type	Access Right
*	Everyone	Allow	Full

Table 31 - Share Permissions - UEMConfig

1.7.2.4 UEMProfiles Share

The following table details shares configuration

Name	UEMProfiles
Scope Name	*
Path	E:\UEMProfiles
Description	
Access Based Enumeration Mode	Unrestricted
Caching Mode	Manual
Encrypt Data	No
State	Online

Table 32 - File Server Shares - UEMProfiles

1.7.2.4.1 Permissions

The following table details UEMProfiles shares permissions

Scope Name	Account Name	Access Control Type	Access Right
*	Everyone	Allow	Full

Table 33 - Share Permissions - UEMProfiles

1.7.2.5 UpdateServicesPackages Share

The following table details shares configuration

Name	UpdateServicesPackages
Scope Name	*
Path	E:\wsus\UpdateServicesPackages
Description	A network share to be used by client systems for collecting all software packages (usually applications) published on this WSUS system.
Access Based Enumeration Mode	Unrestricted
Caching Mode	Manual
Encrypt Data	No
State	Online

Table 34 - File Server Shares - UpdateServicesPackages

1.7.2.5.1 Permissions

The following table details UpdateServicesPackages shares permissions

Scope Name	Account Name	Access Control Type	Access Right
*	BUILTIN\Administrators	Allow	Full
*	PHARMAX\WSUS Administrators	Allow	Full
*	NT AUTHORITY\NETWORK SERVICE	Allow	Full
*	Everyone	Allow	Read

Table 35 - Share Permissions - UpdateServicesPackages

1.7.2.6 WsusContent Share

The following table details shares configuration

Name	WsusContent
Scope Name	*
Path	E:\wsus\WsusContent

Description	A network share to be used by Local Publishing to place published content on this WSUS system.
Access Based Enumeration Mode	Unrestricted
Caching Mode	Manual
Encrypt Data	No
State	Online

Table 36 - File Server Shares - WsusContent

1.7.2.6.1 Permissions

The following table details WsusContent shares permissions

Scope Name	Account Name	Access Control Type	Access Right
*	BUILTIN\Administrators	Allow	Full
*	PHARMAX\WSUS Administrators	Allow	Full
*	NT AUTHORITY\NETWORK SERVICE	Allow	Full
*	Everyone	Allow	Read

Table 37 - Share Permissions - WsusContent

1.7.2.7 WSUSTemp Share

The following table details shares configuration

Name	WSUSTemp
Scope Name	*
Path	C:\Program Files\Update Services\LogFiles\WSUSTemp
Description	A network share used by Local Publishing from a Remote WSUS Console Instance.
Access Based Enumeration Mode	Unrestricted
Caching Mode	Manual
Encrypt Data	No
State	Online

Table 38 - File Server Shares - WSUSTemp

1.7.2.7.1 Permissions

The following table details WSUSTemp shares permissions

Scope Name	Account Name	Access Control Type	Access Right
*	BUILTIN\Administrators	Allow	Full
*	PHARMAX\WSUS Administrators	Allow	Full

Table 39 - Share Permissions - WSUSTemp

1.8 DHCP Server Configuration Settings

The following table details the DHCP Server Settings

Domain Joined	Yes
Authorized	Yes
Conflict Detection Attempts	1
Activate Policies	Yes
Dynamic Bootp	Yes
Database Path	C:\Windows\system32\dhcp\dhcp.mdb
Database Backup Path	C:\Windows\system32\dhcp\backup
Database Backup Interval	60 min
Database Logging Enabled	Yes
User Name	administrator
Domain Name	PHARMAX.LOCAL

Table 40 - DHCP Servers Settings - SERVER-DC-01V

1.8.1 Service Statistics

Total Scopes	Total Addresses	Addresses In Use	Addresses Available	Percentage In Use	Percentage Available
10	2118	217	1901	10	90

Table 41 - DHCP Server Statistics - SERVER-DC-01V

1.8.2 Scopes

The following section provides detailed information of the Scope configuration.

Scope Id	Scope Name	Scope Range	Lease Duration	State
10.10.32.0/24	ESXi-vMotion-DR	10.10.32.10 - 10.10.32.250	8.00:00:00	Active
10.10.33.0/24	ESX-VM-NETWORK-DR	10.10.33.40 - 10.10.33.253	100.00:00:00	Active
10.10.34.0/24	ESXi-ISCSI-BLOCK-A-DR	10.10.34.10 - 10.10.34.253	8.00:00:00	Active
10.10.35.0/24	ESXi-ISCSI-BLOCK-B-DR	10.10.35.10 - 10.10.35.253	8.00:00:00	Active
192.168.10.0/24	ESX-vSAN-NET	192.168.10.10 - 192.168.10.253	8.00:00:00	Active
192.168.12.0/24	ESXi-ISCSI-BLOCK-B	192.168.12.10 - 192.168.12.240	8.00:00:00	Active
192.168.2.0/24	ESXi-vMotion	192.168.2.10 - 192.168.2.253	8.00:00:00	Active
192.168.4.0/24	ESXi-NFS-File	192.168.4.10 - 192.168.4.20	8.00:00:00	Active
192.168.6.0/24	ESXi-ISCSI-BLOCK-A	192.168.6.10 - 192.168.6.240	8.00:00:00	Active
192.168.7.0/24	ESX-VM-NETWORK	192.168.7.40 - 192.168.7.253	Unlimited	Active

Table 42 - Scopes - SERVER-DC-01V

1.8.2.1 Scope Statistics

Scope Id	Free IP	In Use IP	Percentage In Use	Reserved IP
10.10.32.0	241	0	0	0
10.10.33.0	210	4	2	3
10.10.34.0	244	0	0	0
10.10.35.0	244	0	0	0
192.168.10.0	244	0	0	0
192.168.12.0	228	3	1	3
192.168.2.0	244	0	0	0
192.168.4.0	11	0	0	0
192.168.6.0	229	2	1	2
192.168.7.0	6	208	97	17

Table 43 - Scope Statistics - SERVER-DC-01V

1.8.2.2 Network Interface Binding

Interface Alias	IP Address	Subnet Mask	State
Ethernet0	192.168.5.1	255.255.255.0	Enabled

Table 44 - Network Interface binding - SERVER-DC-01V

1.8.3 Scope Server Options

The following section provides a summary of the DHCP servers Scope Server Options information.

Name	Option Id	Value	Policy Name
Time Server	4	192.168.5.1	-
Name Servers	5	192.168.5.1	-
DNS Servers	6	192.168.5.1	-
NTP Servers	42	192.168.5.1	-
Simple Mail Transport Protocol (SMTP) Servers	69	192.168.7.21	-
Post Office Protocol (POP3) Servers	70	192.168.7.21	-
	81	55	-

Table 45 - Scopes Server Options - SERVER-DC-01V

1.8.3.1 Scope DNS Setting

The following section provides a summary of the DHCP servers Scope DNS Setting information.

Dynamic Updates	Always
Dns Suffix	-
Name Protection	Yes
Update Dns RR For Older Clients	Yes
Disable Dns Ptr RR Update	No
Delete Dns RR On Lease Expiry	Yes

Table 46 - Scopes DNS Setting - SERVER-DC-01V

1.8.4 Per Scope Options

The following section provides a summary of the DHCP servers Scope Server Options information.

1.8.4.1 10.10.32.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
Router	3	10.10.32.254	-
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 47 - Scopes Options - 10.10.32.0

1.8.4.2 10.10.33.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
Router	3	10.10.33.254	-
Lease	51	8640000	-
Boot Server Host Name	66	192.168.5.2	-
Bootfile Name	67	snponly64.efi.vmw-hardwired	-
	81	23	-

Table 48 - Scopes Options - 10.10.33.0

1.8.4.3 10.10.34.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
DNS Servers	6	192.168.5.1 192.168.5.1	-
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 49 - Scopes Options - 10.10.34.0

1.8.4.4 10.10.35.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
DNS Servers	6	192.168.5.1 192.168.5.1	-

Name	Option Id	Value	Policy Name
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 50 - Scopes Options - 10.10.35.0

1.8.4.5 192.168.2.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
Router	3	192.168.2.254	-
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 51 - Scopes Options - 192.168.2.0

1.8.4.6 192.168.4.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
Router	3	192.168.4.254	-
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 52 - Scopes Options - 192.168.4.0

1.8.4.7 192.168.6.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 53 - Scopes Options - 192.168.6.0

1.8.4.8 192.168.7.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
Router	3	192.168.7.254	-
DNS Domain Name	15	pharmax.local	-
Lease	51	4294967295	-
Boot Server Host Name	66	192.168.5.2	-
Bootfile Name	67	snponly64.efi.vmw-hardwired	-
	81	23	-

Table 54 - Scopes Options - 192.168.7.0

1.8.4.9 192.168.10.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
Router	3	192.168.10.254	-
DNS Servers	6	192.168.5.1 192.168.5.1	-
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 55 - Scopes Options - 192.168.10.0

1.8.4.10 192.168.12.0

The following table details Scope Server Options Settings.

Name	Option Id	Value	Policy Name
DNS Domain Name	15	pharmax.local	-
Lease	51	691200	-

Table 56 - Scopes Options - 192.168.12.0

1.9 DNS Server Configuration Settings

The following table details the DNS Server Settings

Build Number	17763
IPv6	Yes
DnsSec	No
ReadOnly DC	No
Listening IP	192.168.5.1
All IPs	192.168.5.1

Table 57 - DNS Servers Settings - SERVER-DC-01V

1.9.1 DNS IP Configuration

The following table details DNS Server IP Configuration Settings

Interface	DNS IP 1	DNS IP 2	DNS IP 3	DNS IP 4
Ethernet0	192.168.5.1	127.0.0.1	8.8.8.8	-

Table 58 - IP Configuration - SERVER-DC-01V

1.9.2 Scavenging Options

The following table details scavenging configuration settings

NoRefresh Interval	Refresh Interval	Scavenging Interval	Last Scavenge Time	Scavenging State
7.00:00:00	7.00:00:00	7.00:00:00	-	Enabled

Table 59 - Scavenging - SERVER-DC-01V

1.9.3 Forwarder Options

The following table details forwarder configuration settings

IP Address	Timeout	Use Root Hint	Use Recursion
8.8.8.8,10.0.0.138	3/s	Yes	Yes

Table 60 - Forwarders - SERVER-DC-01V

1.9.4 DNS Zone Configuration

The following table details zones configuration settings

Zone Name	Zone Type	Replication Scope	Dynamic Update	DS Integrated	Read Only	Signed
_msdcs.pharmax.local	Primary	Forest	Secure	Yes	No	No
pharmax.local	Primary	Domain	Secure	Yes	No	No
TrustAnchors	Primary	Forest	None	Yes	No	No
uia.local	Stub	Domain	-	Yes	No	-
zenprsolutions.local	Stub	Domain	-	Yes	No	-

Table 61 - Zones - SERVER-DC-01V

1.9.4.1 Zone Transfers

The following table details zone transfer configuration settings

Zone Name	pharmax.local
Secondary Servers	172.23.4.1
Notify Servers	-
Secure Secondaries	Send zone transfers only to name servers that are authoritative for the zone.

Table 62 - Zone Transfers - PHARMAX.LOCAL

1.9.4.2 Reverse Lookup Zone Configuration

The following table details reverse looup zone configuration settings

Zone Name	Zone Type	Replication Scope	Dynamic Update	DS Integrated	Read Only	Signed
0.in-addr.arpa	Primary	None	None	No	No	No
10.10.in-addr.arpa	Primary	Domain	Secure	Yes	No	No
127.in-addr.arpa	Primary	None	None	No	No	No
168.192.in-addr.arpa	Primary	Domain	Secure	Yes	No	No
23.172.in-addr.arpa	Primary	Domain	Secure	Yes	No	No
255.in-addr.arpa	Primary	None	None	No	No	No
70.23.172.in-addr.arpa	Primary	Forest	Secure	Yes	No	No

Table 63 - Zones - SERVER-DC-01V

1.9.4.3 Conditional Forwarder

The following table details conditional forwarder configuration settings

Zone Name	Zone Type	Replication Scope	Master Servers	DS Integrated
b12.local	Forwarder	Forest	10.10.30.1	Yes
zenprsolutions.gov	Forwarder	Domain	8.8.8.8	Yes

Table 64 - Conditional Forwarders - SERVER-DC-01V

1.9.4.4 Zone Scope Aging Properties

The following table details zone configuration aging settings

Zone Name	Aging Enabled	Refresh Interval	NoRefresh Interval	Available For Scavenge
_msdcs.pharmax.local	Yes	7.00:00:00	7.00:00:00	Thu, 27 Oct 2022 12:00:00 GMT
pharmax.local	Yes	7.00:00:00	7.00:00:00	Thu, 27 Oct 2022 12:00:00 GMT
TrustAnchors	Yes	7.00:00:00	7.00:00:00	Thu, 27 Oct 2022 12:00:00 GMT

Table 65 - Zone Aging Properties - SERVER-DC-01V