

Server System Requirements

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Hardware

Trial hardware requirements

- a modern CPU with at least 1 GHz
- 1 GB of RAM available to the virtual appliance
- 25 GB of free disk space for virtual appliance

Minimum hardware requirements for production environment

- a modern CPU with at least 1,5 GHz
- 2 GB of RAM available to the virtual appliance,
- 120 GB of free disk space for virtual appliance

Additional resources may be required under all above described conditions, depending on data collection intervals, number of sensors enabled, and number of servers being monitored. panagenda and selected panagenda GreenLight business partners can help you evaluate the optimum hardware specifications for your environment.

Software

Operating system

panagenda GreenLight comes as a VMWare appliance including its own operating system based on the popular Ubuntu Linux distribution. The requirements on the underlying operating system running the VMWare server solution depend on the chosen VMWare product. The panagenda GreenLight appliance runs with VMWare Player, Workstation, Server, ESX, ESXi and vSphere as host system. Detailed information about operating system requirements can be found on the [VMWare product page](#) of the selected product.

IBM Domino Notes

An IBM Domino Notes user ID with access to the servers that are to be monitored as well as read access to at least one public names and address book on these servers is required.

For a more detailed analysis of historic performance data, read access to the IBM Domino *log.nsf* database may be required.

Depending on mail flow tracking and tracing, reader or author access is required for all mail router boxes (*mail.box*) and editor access for dedicated mail-in databases. For replication monitoring, application design and database content analysis, the respective IBM Notes user ID requires read access to the respective applications and documents.

For detailed IBM Domino server monitoring, the release 4.5.x or higher of the Domino Server is required.

User ID Requirements

panagenda GreenLight requires a IBM Domino Notes User ID to access your Domino infrastructure. The ID's password must be set to "greenLightUseOnly" (case sensitive!). You can set another password in the backend configuration file [ramkin-config.properties backend configuration file](#). The ID must have access to all the servers that should be monitored by panagenda GreenLight.

Network Access

Company Network

The appliance must be able to reach the monitored servers via a TCP/IP network and must be accessible through th web browser to access the panagenda GreenLight Web Interface.

Internet

For automatic license and software updates, panagenda GreenLight requires access to the internet. Alternatively, panagenda GreenLight can be updated through update packages that are installed using file upload to the panagenda GreenLight appliance. To acquire those packages for manual update please contact support@panagenda.com.

Windows Services Sensor/Performance Counter Sensor

- Activate remote Powershell settings on target host
 - Enable-PSRemoting -force
 - set-item -force WSMan:\localhost\Service\Auth\Basic \$true
 - set-item -force WSMan:\localhost\Client\AllowUnencrypted \$true
 - set-item -force WSMan:\localhost\Service\AllowUnencrypted \$true
- Make sure that you use an Account which is member of the local Administrator Group of the Target-Host (no need to be a Domain Admin!)
- TCP Port 5985 and 5986 needs to be opened between GreenLight and Target-Host
- Make sure that the GL host is listed as a TrustedHost on the Destination System
 - Check the current setting: `Get-Item -Path WSMan:\localhost\Client\TrustedHosts`
 - Add the GL host: `Set-Item -Path WSMan:\localhost\Client\TrustedHosts -Value <FQDN_of_GL> -Force`

Exchange Sensors

- Make sure that Powershell settings (see Windows Services Sensor above) are in place
- Please use an account for retrieving all the Exchange Information which is member of the following Exchange Groups (AD Groups):
 - **Organization Management**
 - **Server Management**
- Exchange Test Accounts need to exist. Check the following URL: <http://exchangeserverpro.com/exchange-server-2013-creating-a-test-mailbox-user-for-troubleshooting-with-test-cmdlets/>