

This worksheet will assist you with planning a customized installation of GEE Whiz 2.0 on a NetWare server. If GEE Whiz 2.0 is provided for evaluation purposes it should not be deployment onto production servers.

Minimum Requirements. Prerequisites to install GEE Whiz 2.0 are:

- NetWare 5.1 and 6.x servers (GEE Whiz 2.0 will not work on NetWare 4.x and 5.0 servers. GEE Whiz 2.0 requires LIBC which is not supported on NetWare 4.x and 5.0 servers).
- Apply the latest patches/updates to NetWare, and GroupWise and/or NetMail.
- If you want antivirus functions to work correctly, you need to install an antivirus product that can perform real-time scanning on the server platform and is configured to delete or quarantine infected files. DO NOT configure your antivirus to fix or repair infected files. Specific antivirus configuration is performed in Stage 3 of the installation process. ClamAV is supported for Linux-based installations and should be configured after the installation is complete.
- You will need the full eDirectory/NDS context name of a user with supervisor rights to the volumes where GEE Whiz 2.0 will be installed and where the email system is installed.
- Your server must have an internet connection and must be able to perform DNS lookups out to the internet.

Types of Installations. GEE Whiz 2.0 will support two types of installations:

- **Online Update.** The ginst installer will attempt to confirm if there are any updates from an Internet-based updates server. If updates exist it will prompt you to download the most current installation files.
- **File Based.** With this method, you can download the update files and manually add them to the installation file set.

*Note – GEE Whiz 2.0 supports the **Online Update** installation only. "File Based" installation will be available in a later release.*

Running GEE Whiz 1.4.x and 2.0 on the same NetWare server. You can install GEE Whiz 2.0 on the same NetWare server hosting GEE Whiz 1.4.x. with the following stipulations:

- **Do not** install GEE Whiz 2.0 into the GEE Whiz 1.4.x installation directory. There is **no upgrade** from GEE Whiz 1.4.x to GEE Whiz 2.0. GEE Whiz 2.0 will create new directory structures (SYS:\GEE2 and SYS:\GEE2WEB are recommended) and new startup files (GEE2.NCF and GEE2WEB.NCF) on the NetWare Server.
- **Do Not** attempt to run GEE Whiz 1.4.x (GEE.NCF or GEEP.NCF) and GEE Whiz 2.0 (GEE2.NCF and GEE2WEB.NCF) concurrently. You can switch between the two but you must unload one version of GEE Whiz before loading the other. When you unload GEE Whiz 2.0, remember to unload GEE2 and GEE2WEB.

Preparing for a Default Installation. For GroupWise environments, you will be using the GWIA\Third directory structure and you will need to know the paths to the following directories as part of the installation:

- GWIA Send Directory - e.g. MAIL:/GWDOM/WPGATE/GWIA/Send/
- GWIA Receive Directory - e.g. MAIL:/GWDOM/WPGATE/GWIA/Receive/
- GWIA Result Directory - e.g. MAIL:/GWDOM/WPGATE/GWIA/Result/
- GWIA\Third Send Directory - e.g. MAIL:/GWDOM/WPGATE/GWIA/Third/Send/
- GWIA\Third Receive Directory - e.g. MAIL:/GWDOM/WPGATE/GWIA/Third/Receive/
- GWIA\Third Result Directory - e.g. MAIL:/GWDOM/WPGATE/GWIA/Third/Result/

For NetMail environments, you will need to know the IP addresses of the NMAP server and the NMAP listener if NetMail is running on another server.

For SMTP Proxy where GEE Whiz will act as an email proxy to internal SMTP compliant servers, you will need to know the public FQDN for the SMTP Proxy server, the internal IP addresses or address ranges of SMTP servers that can originate email traffic and the ipaddress and DNS domain name of each SMTP mail server.

GEE Whiz 2.0 can be installed on a server that currently uses GEE Whiz 1.4.x. You do not need to uninstall GEE Whiz 1.4.x. You must edit your autoexec.ncf file to remark out the line that starts GEE Whiz 1.4.x (either GEE.NCF or GEEP.NCF). You must also ensure that you **do not** install GEE Whiz 2.0 into the directory structure for GEE Whiz 1.4.x.

Please refer to the "GEE Whiz 2.0 for NetWare Comprehensive Installation Checklist" as you complete this worksheet. Please ensure that this worksheet and the comprehensive installation checklist are completed and are available before you call for technical support. The support technician might request that you fax it to him to confirm configuration details.

Perform a Default Installation. We have created a three stage checklist to install, and configure GEE Whiz 2.0, which includes:

- **Stage One – Planning and Preparation.** In this stage you will create an extraction directory (e.g. **SYS:\GEE2INST** for NetWare or **/opt/gee2inst/** for Linux) and extract the zip file there. This directory structure contains:
 - **ginst.nlm** – installer file for NetWare servers
 - **ginst** – installer for 32-bit versions of Linux
 - **ginst64** – installer for 64-bit version of Linux running on AMD processors
 - **public.pem** and **private.pem** – public and private licence keys for the **ginst** installers to communicate securely with the GEE Whiz 2.0 update server hosted by submersion.com.
 - **config\sauce.gop** – configuration file for the **ginst** installer files to communicate with the GEE Whiz 2.0 update server hosted by submersion.com.
 - **products\gee2\public.pem** and **private.pem** – public and private licence keys for GEE2.NLM once it is installed.
 - **products\gee2\scripts\inst.lua** – installation script called by the **ginst** installers to install the GEE2 application.
 - **products\gee2web\public.pem** and **private.pem** – public and private licence keys for GEE Whiz 2.0 web server once it is installed.
 - **products\gee2web\scripts\inst.lua** – installation script called by the **ginst** installers to install the GEE Whiz 2.0 web server application.

Stage one also includes preparation steps that are specific to GroupWise, NetMail, or SMTP Proxy (see the Installation Checklist).

- **Stage Two – Perform the Installation.** In this stage you will run the **ginst** installer which will ask you to check for updates. If an update is available, the **ginst** installation files will be upgraded and an updates folder will be created in your extraction directory. If there are updates the **ginst** installer will unload and you will have to start it again. By reloading the **ginst** installer, you will run the updated version and install the most current version of GEE Whiz 2.0. The installation process will:
 - Install GEE2 into directory (we recommend **SYS:\GEE2** for NetWare or **/opt/gee2/** for Linux) and configure the IP address and port for the GEE Interface Daemon (GID).
 - Prompt you to configure GEE Whiz for GroupWise. If you choose "Yes", you will provide the actual directory paths for GWIA and GWIA\Third directories. When you are prompted to enable GEE Whiz for GroupWise, we recommend you choose "No" (you will enable GEE Whiz after the installation is complete). *Note – do not configure GEE Whiz for GroupWise if you are installing GEE Whiz as a SMTP Proxy server.*
 - Prompt you to configure GEE Whiz for NetMail. If you choose "Yes", you will provide the IP address and port for NMAP server and the NMAP Listener. When you are prompted to enable GEE Whiz for NetMail, we recommend you choose "No" (you will enable GEE Whiz after the

installation is complete). *Note – do not configure GEE Whiz for NetMail if you are installing GEE Whiz as a SMTP Proxy server.*

- Create the startup files for GEE Whiz.
 - Create an eDirectory/NDS user for Antivirus (you must provide an NDS user account that has supervisor rights on the GWIA\Third and GEE2 directory structures.
 - Install the GEE Whiz web server into a directory (we recommend SYS:\GEE2WEB for NetWare or /opt/gee2web/ for Linux). You will be asked to provide a username and password to authenticate to the GEE Whiz Administration web console. This is not an eDirectory/NDS user account.
 - Once the installation is complete, you need to configure your antivirus software to perform real-time scanning of files/folders, and to delete or purge infected files. Do not configure your antivirus solution to fix or repair infected files. You must configure antivirus scanning to:
 - EXCLUDE the GEE2WEB directory structure
 - EXCLUDE the GWIA directory structure
 - EXCLUDE the GEE2 directory structure except
 - SCAN the GEE2\work directory structure.
- Note** – refer the the Installation Checklist if your antivirus does not support scanning of child directories of parent directories that are excluded.
- You will also need to configure your server loading scripts to load GEE2 and GEE2WEB if the server restarts.
- **Stage Three – Configure GEE Whiz 2.0** – is concerned with the configuration after the installation which we will cover below.

Required Information	Default or recommended	Actual
GEE Whiz 2.0 Extraction Directory	SYS:\GEE2INST	
GEE2 Installation Directory	SYS:\GEE2	
GEE Whiz 1.4.x Installation Directory if it exists (GEE2 must not be installed into this directory)	SYS:\GEE	
Path to GWIA	Actual Path is -	
Path to GWIA\Third	Actual Path is -	
Anti-Virus supports real-time scanning	Yes	
Anti-Virus is configured to delete (remove) or quarantine (move) infected files	Yes	
GWIA path is excluded from Anti-Virus scanning	Yes	



Required Information	Default or recommended	Actual
Anti-Virus can scan a child folder of a parent directory which is excluded from scanning	Yes (If no, then you will have to move the applicable work directory and configure anti-virus scanning in Step 40 of Stage Two of the installation)	
GID Listener Port	30025	
Configure GEE Whiz for GroupWise	Yes or No	
GWIA Send path	Actual Path is -	
GWIA Receive path	Actual Path is -	
GWIA Result path	Actual Path is -	
GWIA\Third Send path	Actual Path is -	
GWIA\Third\Receive path	Actual Path is -	
GWIA\Third\Result path	Actual Path is -	
Enable GEE Whiz for Groupwise during installation	No	
Configure GEE Whiz for NetMail	Yes or No	
NetMail NMAP Server IP	127.0.0.1 Use actual IP address of server if NetMail is running on a different server or if the GEE/NetMail server has two or more IP addresses bound to it.	
NetMail NMAP Server Port	689	
GEE Whiz NMAP Listener IP	127.0.0.1 Use actual IP address of the GEE Whiz server if the GEE server has two or more IP addresses bound to it.	
GEE Whiz NMAP Listener Port	32001	
Enable GEE Whiz for NetMail during installation	No	
Create startup NCF for GEE2	Yes	
Configure NDS user for Antivirus	Yes	
NDS username	Actual username to use -	
Password	Actual password to use -	
Install path for GEE2WEB	SYS:\GEE2WEB	
Web Client Login Username (short common name e.g. geewhiz)	Actual username to use -	

Required Information	Default or recommended	Actual
Web Client Login Password	Actual password to use -	
GEE Whiz Daemon GID IP	127.0.0.1	
GEE Whiz Daemon GID Port	32005	
GEE Whiz Web Server Port	33333	
Create NCF for GEE2WEB	Yes	
GEE2 Work Directory	SYS:\GEE2\Work Only move from the default if required to satisfy a limitation of your antivirus software. See step 40 Stage Two for steps to move the work directory	
Antivirus Settings	EXCLUDE \GWIA\Third path EXCLUDE \GEE2WEB path EXCLUDE \GEE2 path except SCAN \GEE2\Work path	