

This checklist provides the all if the information required for a customized installation of GEE Whiz 2.0 on a Linux server. GEE Whiz 2.0 is provided for evaluation purposes and is not designed for deployment onto production servers. Customers agree to absolve Omni Technology Solutions Inc., of all liability for any damage to servers and/or loss of data and/or interruption to existing network services if GEE Whiz 2.0 is installed onto a production server.

Prior to installing GEE Whiz 2.0, please read and complete the "GEE Whiz 2.0 for Linux Installation Worksheet" which will assist with the pre-installation planning required. Please ensure that this checklist and the installation worksheet 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.

Before calling for technical support, please ensure that network connectivity and mail delivery from your ISP into your email environment is functioning and that inbound and outbound mail is flowing through your SMTP compliant email system.

Minimum Requirements:

GEE Whiz 2.0 for Linux supports the following environments:

- Any Linux server distribution that will host GroupWise 6.5x for Linux or NetMail 3.x with the latest updates
- GroupWise 6.5x for Linux and/or NetMail 3.x for Linux with the latest service packs
- If you want antivirus functions to work correctly, you need to install a server based antivirus product that can perform real-time scanning 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.
- You will need the full eDirectory/NDS context name of a user with supervisor rights to the file system where GEE Whiz 2.0 will be installed and where the email system is installed.
- Your NetWare server must have an internet connection and must be able to perform DNS lookups out to the internet.

GEE Whiz 2.0 will use three directory structures:

- GEE2 Extraction Directory – recommended is **/opt/gee2inst**
- GEE2 Installation Directory - recommended is **/opt/gee2**
- GEE2 Web Server Installation Directory - recommended is **/opt/gee2web**
- GEE2 Anti-Virus Scanning Work Directory (optional) – recommended is **/opt/gee2work**

GEE Whiz 2.0 uses two startup script files to load itself:

- **gee2** loads GEE Whiz 2.0.
- **gee2web** loads GEE Whiz 2.0 Web Server.

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 (uses default directory structure from the GroupWise for Linux installation documentation):

- GWIA Send Directory - e.g. **/gwsystem/gwdom/wpgate/gwia/send/**
- GWIA Receive Directory - e.g. **/gwsystem/gwdom/wpgate/gwia/receive/**
- GWIA Result Directory - e.g. **/gwsystem/gwdom/wpgate/gwia/result/**
- GWIA/Third Send Directory - e.g. **/gwsystem/gwdom/wpgate/gwia/third/send/**
- GWIA/Third Receive Directory - e.g. **/gwsystem/gwdom/wpgate/gwia/third/receive/**
- GWIA/Third Result Directory - e.g. **/gwsystem/gwdom/wpgate/gwia/third/result/**

For NetMail environments, you will need to know the IP address of the NetMail server if NetMail is running on another server.

Stage One: Prepare your Server



1. Complete the GEE Whiz 2.0 for Linux Installation Worksheet to plan this installation.
2. Create a GEE Whiz 2.0 extraction directory, e.g. **/opt/gee2inst**
3. Extract the GEE Whiz 2.0 installation zip file into the extraction directory which includes the necessary licence files.
4. Confirm that your antivirus solution is loaded and correctly configured (see Minimum Requirements above).
5. Ensure that the server and NDS/eDirectory is error free.
6. Apply the latest updates/service packs for Linux and GroupWise/NetMail.

Stage One - GroupWise Specific Preparation

7. Create a \GWIA\Third directory, e.g. **/gwsystem/gwdom/wpgate/gwia/third/**
8. Open ConsoleOne and perform the following steps:
 - (1) Right-click the GWIA object and choose "Properties"
 - (2) Click on the "Server Directories" tab
 - (3) In the "SMTP Queues Directory" highlight the UNC path to the GWIA directory (e.g. **/gwsystem/gwdom/wpgate/gwia/**) and press Ctrl+C to copy it to the Clipboard
 - (4) Click the "Advanced..." button
 - (5) Paste the UNC path into the "SMTP Service Queues Directory" textbox using Ctrl+V. At the end of the UNC path add "\Third", e.g. **/gwsystem/gwdom/wpgate/gwia/third/** and click the "OK" button
 - (6) Click the "OK" button until you close the GWIA properties window and exit out of ConsoleOne.
9. Unload GWIA (use F7 in the GWIA server console to Exit). Load GWIA using GWIA.NCF. (You must perform this to ensure that GWIA loads using the GWIA\Third directory settings.)

Stage One - NetMail Specific Preparation

GEE Whiz 2.0 is supposed to work with NetMail Anit-Spam and Anti-Virus Agents. There are no specific preparation steps for NetMail.



Stage Two: Prepare your Server

Note - These instructions presume that you are choosing the default or recommended directories. The GEE2INST extraction directory will contain a GINST and a GINST.NLM file. To install GEE Whiz for the first time, you must run GINST file from the extraction directory (the GINST.NLM file is the installer to install GEE Whiz 2.0 on a NetWare server platform).

Stage Two - Start the Installation

1. Login as user root and cd to /opt/gee2inst
2. At the server console, type **./ginst** to run the installer.
3. At the "Can I use the network for updates?" window choose "Yes" and press enter.
4. At the "Should I check for an update to the installation software?" window choose "Yes" and press enter.
Note – if you get a 'Failed to communicate with auto-update server.' error and your server is behind a firewall, you will need to enable outboudng connections to 209.115.221.4 on Port 35000 at your firewall.
5. If there is no update available, continue to step 9. If there is an update available, you will see a "There is an update r### to r### update available. Should I update?" window. Choose "Yes" and press enter.
6. An update will be downloaded and you will see a set of progress bars. At the "Shutdown so you can install with an updated installer?" window choose "Yes" and press enter.

Stage Two - Start the Update Installation

7. At the server console, type **./ginst** to run the installer.
8. At the "Can I use the network for updates?" window choose "Yes" and press enter.
9. At the "Should I check for an update to the installation software?" window choose "Yes" and press enter.
10. At the "No updates found for the installation software. Press <enter> to continue" window press enter.
11. At the "Would you like to install Gee2?" windows choose "Yes" and press enter.
12. At the "Install path for Gee2" window type in **/opt/gee2** and press enter.
13. At the "Install gee2 to /opt/gee2/?" window press enter.
14. You will see a progress bar appear followed by a "Would you like to configure GEE Interface Daemon?" window. The GEE Interface Daemon which is a listener that GEE2 runs to listen for input from the GEE2WEB web server that hosts the Web Admin Console. Choose "Yes" and press enter.
15. At the "GID Listener Port: (default: 30025):" window you can specify a port number and press enter, or just press enter and then choose "Yes" at the "Use default? (32005)" window to accept the default value.
16. At the "GID configured" window press enter.

Stage Two - Install GEE Whiz for GroupWise

17. At the "Would you like to configure GEE Whiz for GroupWise?" window choose:
 - (1) "No" if you are running NetMail only and preceed to "Install GEE Whiz for NetMail:" steps below, or
 - (2) "Yes" if you are running GroupWise.
18. The next six windows will ask for the GroupWise \GWIA and \GWIA\Third directory paths. In each window enter the path using forward slashes and end the path with a forward slash. Here are example paths:
 - (1) GWIA send path – **/gwsystem/gwdom/wpgate/gwia/send/**
 - (2) GWIA receive path - **/gwsystem/gwdom/wpgate/gwia/receive/**
 - (3) GWIA result path - **/gwsystem/gwdom/wpgate/gwia/result/**
 - (4) GWIA third/send path - **/gwsystem/gwdom/wpgate/gwia/third/send/**
 - (5) GWIA third/receive path - **/gwsystem/gwdom/wpgate/gwia/third/receive/**
 - (6) GWIA third/result path - **/gwsystem/gwdom/wpgate/gwia/third/result/**
19. At the "GEE Whiz for GroupWise configured. Enable it?" window choose "**No**" and press enter. (You can choose "Yes" but GEE2 will start to process mail as soon as it is loaded. Choose "No" and when you load GEE2, you will have time to configure options before you enable GEE Whiz for GroupWise and process any mail.)

Stage Two - Install GEE Whiz for NetMail

20. At the "Would you like to configure GEE Whiz for NetMail?" window choose:
- (1) "No" if you are not running NetMail proceed to "Create Startup Files:" steps below, or
 - (2) "Yes" if you are running NetMail.
21. The next ## windows will ask for specific configuration information on your NetMail installation:
- (1) Netmail NMAP Server IP = 127.0.0.1 (if NetMail is on the same server as GEE Whiz, otherwise type in the IP address of the NMAP server)
 - (2) NetMail NMAP Server Port - press enter to accept default of 689
 - (3) GEE Whiz NMAP Listener IP - press enter to accept default of all (Note if GEE Whiz is installed on a BorderManager Server, then type in the private IP address of that server)
 - (4) GEE Whiz NMAP Listener Port - press enter to accept default of 32001
22. At the "GEE Whiz for NetMail configured. Enable it?" window choose "Yes" and press enter. (You can choose "Yes" but GEE2 will start to process mail as soon as it is loaded. Choose "No" and when you load GEE2, you will have time to configure options before you enable GEE Whiz for NetMail and process any mail.)

Stage Two - Create an NDS user for Antivirus

23. At the "Configure an NDS user for AntiVirus?" window choose "Yes" and press enter.
24. In the next two windows, enter a full eDirectory/NDS user name and password of a user that has Supervisor file system rights to the SYS:\GEE2 directory structure and that can run the AntiVirus software. Note that the password is case sensitive.
25. At the "NDS User for Antivirus configured." window press enter.

Stage Two - Install the GEE Whiz Web Server

26. At the "Gee2 successfully installed" window press enter.
27. At the "Would you like to install gee2web?" window choose "Yes" and press enter.
28. At the "Install Path for gee2web:" window type **/opt/gee2web** and press enter.
29. At the "Install gee2web to /opt/gee2web/?" window choose "Yes" and press enter.
30. At the "Would you like to configure the web client?" window choose "Yes" and press enter.
31. At the "Username" window type in a non-NDS user name which will authenticate to the GEE Whiz Web Administration Console, e.g. **geewhizadmin**, and press enter.
32. At the "Password:" window enter the case sensitive password you want to assign for the account and press enter.
33. At the "GEE Whiz Daemon GID IP (default 127.0.0.1):" window press enter and choose "Yes" and press enter.
34. At the "GEE Whiz Daemon GID Port (default 32005):" window press enter and choose "Yes" and press enter.
35. At the "GEE Whiz Web Server Port (default 33333):" window press enter and choose "Yes" and press enter.
36. At the "GEE Whiz web client configured" window press enter.
37. At the "Create a startup NCF for GEE2WEB in SYS:SYSTEM?" window choose "Yes" and press enter, and press enter at the "NCF created" window.
38. At the "gee2web successfully installed" window press enter.

Stage Two - Post Installation Steps

Note - The installation created two script files to start GEE Whiz:

`/<path ??>/gee2` - starts GEE2

`/<path ??>/gee2web` - starts GEE2WEB.NLM in protected memory mode

39. At the server console `cd /opt/gee2` and type `./gee2 <enter>` to start GEE Whiz.

40. At the server console `cd /opt/gee2web` and type `./gee2web <enter>` to start the GEE Whiz web server.

At the server console edit the applicable init scripts so that GEE2 and GEE2WEB are started when the server restarts in normal run level (e.g. runlevel 3 or 5).



Stage Two - Configure Antivirus Software

41. Modify your antivirus software to perform real-time scanning and to delete or quarantine infected files. The antivirus scanner must be configured to:

- (1) EXCLUDE the GWIA\Third directory structure
- (2) EXCLUDE the GEE2WEB directory structure
- (3) EXCLUDE the GEE2 directory structure except:
- (4) SCAN the **/opt/gee2/work** and all child folders/files

Note - If your antivirus solution cannot SCAN a child folder of a directory that is being EXCLUDED, then you can move the GEE2 Work Directory after the installation. Please refer to "Configure Antivirus > Change the Work Directory" in the "GEE Whiz 2.0 Quickstart Guide".

Stage Three: Configure GEE Whiz 2.0



- Note** – All of the necessary post-installation steps are included in the "GEE Whiz 2.0 Quickstart Guide".

SUPPORT

GEE Whiz support is available free of charge for customers who are on a 30-day trial period. Free support is limited to resolving problems or issues that are specifically related to the GEE Whiz components that are identified in this checklist below. GEE Whiz support is not responsible for installing, re-installing or configuring your email/SMTP environment except where it directly connects to GEE Whiz.

Telephone support is available on a 24/7 basis by calling 1-801-772-1880. With sufficient notice, arrangements can be made to have an engineer available during quiet hours.

Email support is available on a 24/7 basis by sending an email to support@gwava.com.

A community support forum has been created for GEE Whiz 2.0 located at www.omni-ts.com/forum. We welcome all comments and recommendations for improvements and enhancements.

For information on LUA scripting and regex, please refer to the forums at www.geewhiz.ca hosted by the GEE Whiz developers.