



# GLOBALECS®

KNOWLEDGE BASE

## SYSTEM MANAGER MONITOR / WATCH DOG (GECSWDOG) SERVICE

This program installs a Windows service that periodically pings the System Manager program and sends an email if the System Manager program fails to respond to the ping. The program runs in 4 modes. You can run it to install a service, remove a service, start the service or stop the service.

Once installed, you can also use the Services application in the Administrative Tools section of Control Panel to start and stop the service. To install or remove the service the program must be run in a command shell that is being "Run As Administrator" since Administrative rights are required to install services and alter the registry.

The service does not need to be run on a computer that has GECS programs installed. This program will create the necessary registry structure when it is installed and consequently you can just copy this program to another computer and run it where GECS hasn't been installed.

Enter the following command line to install and start the service:

```
"C:\Program Files\GlobalECS\GECSWDOG.EXE" -install -path x -name x  
-port n -addr x -user x -pass x -pulse n -retries n -to x -from x  
-login -pass x -server x -mport n -subj x -mesg x -auth x -noinfo  
-doss1 -dotls -at x - mpulse n -v
```

The parameters specified to install the service are:

- path x            -path where the program exe's are located (required). Typically, something like "C:\Program Files\GlobalECS" This is the name of the directory where the GECSWDOG.EXE program is installed (this will be the default subdirectory when the service runs and the directory where the log file is created if the program is run in verbose mode).
- name x            -installation name (required). Typically, something like GlobalECS
- port n            -port to use to ping System Manager. The default is 2002.
- addr x            -address to ping System Manager. The default is 127.0.0.1.

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-user x	-Windows user to run the service as (optional). Omit this parameter to run using the System Account.
-pass x	-Windows password for the user the service should run as (optional).
-pulse n	-how often in seconds should the program check System Manager. The default is 30. The program will send a test message to the System Manager using this frequency.
-retries n	-number of times to retry ping before deciding it failed. The default is 3.
-to x	-send the email to (required)
-from x	-mail is from (required)
-login x	-login to email as (required)
-mpass x	-email password (required)
-server x	-email server address (required)
-mport n	-email server port. The default is 24.
-mpulse n	-how often in seconds to send email once System Manager stops responding. The default is 300.
-subj x	-the subject on the email. The default subject is "GECSWDOG Alert!"
-mesg x	-the email message to send. The default message is "System Manager has stopped responding."
-auth x	-the authentication method to use - NONE, PLAIN, LOGIN, CRAM, DIGEST. The default method is LOGIN.
-noinfo	- don't add an info line to the email that includes info about GECSWDOG configuration. (optional)
-dossl	- should the email be sent using SSL. (optional)
-dotls	- should the email be sent using STARTTLS (optional)
-at x	- the name of the file to attach to the email (none by default)
-v	- operate in verbose mode.

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When the -v parameter is included and the program runs in verbose mode, the program makes entries in a log file titled GECSWDOG.LOG. Entries are made indicating if the System Manager has responded and information about the email that is sent and error messages explaining program's attempt to send the email. Unless you specify the -NoInfo option, the program will add a line to your specified email message indicating where the watch dog program is running and the name and address of the System Manager it is monitoring.

Enter the following command line to uninstall the service:

```
"C:\Program Files\GlobaleCS\GECSWDOG.EXE" -remove -name x
```

where -name x specifies the installation name. Note that the remove functionality does not delete the GECSWDOG.EXE program and it does not remove any of the registry settings that were installed when the service was installed.

Enter the following command line to start the service:

```
"C:\Program Files\GlobaleCS\GECSWDOG.EXE" -begin -name x
```

where -name x specifies the installation name.

Enter the following command line to stop the service:

```
"C:\Program Files\GlobaleCS\GECSWDOG.EXE" -end -name x
```

where -name x specifies the installation name.

Many of the parameters entered when the Service is installed are stored in the registry. They can be changed after the service is installed using a program like Regedit. After the parameters are changed simply stop and restart the GECSWDOG service and it will start running with the changed values. The parameters are stored in the HKEYLocalMachine\Software\Vinzant Software\installation\_name\SYSMGR section.

The parameters are:

Addr Number    -addr value

Application Directory`-path value

Attachment     -at value

Authentication -auth value (0=NONE, 1=PLAIN, 2=LOGIN, 3=CRAM, 4=DIGEST)

Check Pulse    -pulse value

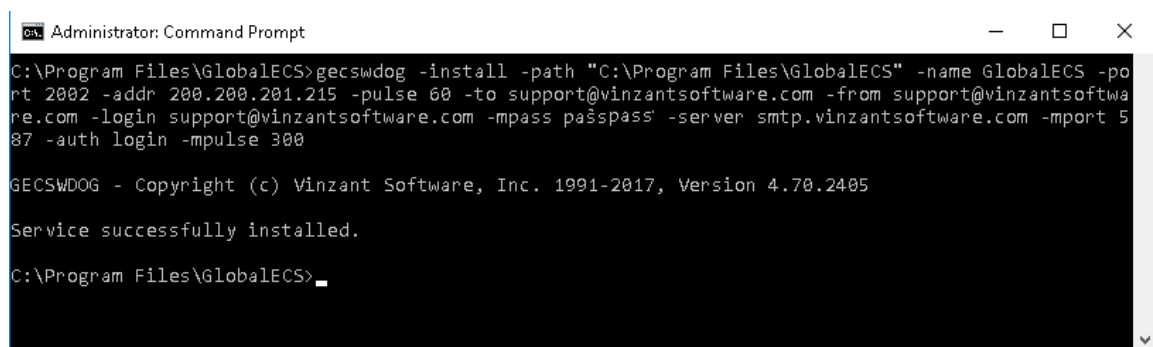
NoInfo          -noinfo value (0=include info, 1=don't include info)

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DoSSL	-doss value (0=no, 1=yes)
DoTLS	-dotls value (0=no, 1=yes)
From	-from value
Mail Login	-login value
Mail Pass	-mpass value
Mail Port	-mport value
Mail Pulse	-mpulse value
Message	-mesg value
Port Number	-port value
Retries	-retries value
Server	-server value
Subject	-subj value
To	-to value
Verbose Mode	-v value (0=no verbose mode, 1=verbose mode)

For example:



```
C:\Program Files\GlobalECS\gecswdog -install -path "C:\Program
Files\GlobalECS" -name GlobalECS -port 2002 -addr 200.200.201.5 -pulse
60 -to support@vinzantsoftware.com -from support@vinzantsoftware.com -
login support@vinzantsoftware.com -mpass paswd1234 -server
smtp.vinzantsoftware.com -mport 587 -auth login -mpulse 300
```

