



101 Things To Do With... PageR Enterprise™

1. Monitor any service. Automatically restart the service if it fails.
2. Log in to an AS/400 server and use the native language to run AS/400 CL commands and monitoring tasks.
3. Monitor files on a hard drive for changes.
4. Monitor the free space on Win32 disk volumes and alarm if the free space falls below a specified amount or percentage.
5. Monitor the performance of Domino Server (Lotus Notes), alarm when needed.
6. Check the content of an email message and generate an alarm when defined search strings or terms are found.
7. Monitor a mail server to ensure successful and timely email delivery.
8. Monitor event logs for new or critical event. Use search strings to focus on specific events.
9. Monitor the performance of an Exchange server using a set of predefined tolerances. Alarms are generated when the tolerances are exceeded.
10. Use the FTP Get monitored object to download portions of a web page. Then use a Disk File monitored object to check the content of the pages to ensure it has not been tampered with. If change are found, upload the original.
11. Use FTP Get to occasionally download files from your website to ensure that users have access to the files.
12. Log in to any UNIX system and use UNIX shell commands to perform various monitoring and management tasks.
13. Log in to a remote host to ensure that the host is available. Then use a script to monitor and manage the host in its native language.
14. Log in to a HP3000 and use MPE commands to monitor items like Image Database Capacities, Critical Batch Jobs and more.
15. Log in to a HP9000 HP-UX and use HP-UX shell commands to monitor critical processes and tolerances.
16. Monitor the performance of a Microsoft IIS server against a set of predefined tolerances and performance counters.
17. Check a Novell NetWare server and alarm if the server does not respond or is out of available user connections.
18. Monitor performance counters to ensure systems run at peak performance.
19. Use Windows System monitored objects to ensure critical system availability.
20. Login to an OpenVMS system and run DCL commands to monitor and manage various issues on a standalone or clustered system.
21. Use a Ping monitored object to ensure that connections exist between critical systems and servers across the worldwide network.
22. Monitor the computer room for abnormal environment conditions using PageR Enterprise with Room Alert or TempPageR.
23. Login in to an IBM RS6000 AIX system and use AIX shell commands on the host to monitor critical processes. Restart them if necessary.
24. Query SNMP devices for the values of data items or objects, defined by the agent's Management Information Base (MIB). The retrieved value can be compared to a test value to determine if an alarm condition exists.
25. Scan the network for SNMP Trap messages and generate alarms. SNMP Trap messages can be logged and retrieved later for analysis.
26. Monitor the performance of an SQL server against a set of predefined tolerances. Alarm if the tolerances are met or exceeded.
27. Use the System Health monitored object to monitor the "Top 10" performance counters for general system health. The counters and values can be edited by the user to customize counter settings for different systems.
28. Create your own custom monitored objects using VBScript, JavaScript or another programming language. These custom objects can be executed using PageR's Task monitored object.
29. Monitor specific TCP services to ensure all necessary ports are available for the users and applications that depend on them.
30. Receive Syslog messages from UNIX systems (Any Version) or other Syslog clients and process these messages for alarms.
31. Use the Web Page monitored object to ensure that a specific web page can be downloaded or accessed within a specified time interval.
32. Monitor the processes running on a Windows system and alarm if a critical process has stalled. PageR can then restart the process automatically.
33. Retrieve multiple WMI objects and their property values. Check these values against a predefined set of tolerances and alarm if the tolerances are not met or exceeded.
34. Filter email messages and forward important messages to a pager.
35. Create an SMS gateway by sending email messages to PageR Enterprise. Enter the contact names in the subject and the text in the body of the message. PageR will forward the message to all contacts listed in the subject.
36. Email PageR and instruct it to run a backup or other task on a specific server.
37. Use the Manual Page feature on the Web Status Service to give staff members the ability to send text messages to any contact, group or mobile device by simply selecting a name from the list, entering text and clicking 'Send'.
38. Monitor temperature using Room Alert or TempPageR and automatically turn on an auxiliary air conditioner or fan if temperature is too high.
39. Fix problems as they happen using PageR Enterprise's Automatic Corrective Actions.
40. Monitor log files for changes using the Disk File monitored object.
41. Use an SNMP Query monitored object to ensure that routers and switches are running efficiently, allowing access to connected services.
42. Check the performance of a Windows XP or 2003 system using a WMI Query.
43. Be certain that critical processes are running on an AS/400 server.
44. Check the Free Space of a disk volume on an OpenVMS server, alert if free space is low and/or purge files if needed.
45. Be certain that critical processes are running on an OpenVMS cluster, restart if needed.
46. Check for device errors on an OpenVMS server.
47. Be certain that critical processes are running on a HP3000 server.
48. Monitor batch jobs running on a HP3000 server, restart if stalled.
49. Check the free space of a disk volume on an HP3000 server.
50. Monitor an HP3000 server and check for unspooled printers, and more.
51. Use TCP Services monitored object to monitor GroupWise on port 1677.
52. Monitor log files generated by a Novell NetWare server and generate an alarm to managers if specific text is found in the log file.
53. Use a Disk File monitored object to monitor NetWare Console Messages.
54. Monitor the size of a web page and alarm if the size changes. This is a useful way to protect your site from unauthorized changes.
55. Use Room Alert to notify staff when the data center is running on backup UPS power or automatically initiate an orderly shutdown.
56. Use Room Alert to notify staff when the data center door is open or closed.
57. Be sure SNMP enabled UPS power supplies can be depended upon by using the SNMP Query monitored object.

58. Attempt to connect to a Windows NT/2K/XP/2K3 system and generate an alarm if a connection cannot be made.
59. Attempt to connect to a Novell NetWare server and generate an alarm if a connection cannot be made or if the server is out of connections.
60. Use a Disk File monitored object to ensure files required by batch jobs exist in the correct directories. Generate an alarm if a file is not found, or the directory content changes.
61. Monitor Windows 'Dr. Watson' logfiles by generating an alarm if a new file is found or if specific text is found within the file.
62. Run a Task monitored object that deletes temp files at specified intervals.
63. Monitor the free disk space on a system and automatically delete files or move files to a different system if free space is too low.
64. Place a 'Panic Button' in the data center to allow IT staff to send out an immediate alarm message to an emergency response team.
65. Use the Systems Console screen to visually see how PageR is configured to monitor the systems and servers across the network.
66. Monitor the virus definition file of an anti-virus program to notify staff when new definitions have been added.
67. Monitor an anti-virus program to be sure that it is running at all times. Automatically restart the program if it is not running.
68. Use TCP Services monitored objects to be sure a firewall is blocking the correct ports and leaving critical ports open for access.
69. Check to see if a Windows NT/2K/XP/2K3 system is running and automatically reboot the system if it is unresponsive.
70. Create custom monitored objects by writing a script file that will be executed by a Task monitored object. Start the task by email!
71. Create groups for staff and notify entire groups when an alarm occurs... by any method.
72. Use an Alarm Escalation Schedule to notify different staff members as an alarm continues to persist. If an alarm is not cleared by each new scan, the next contact or group on the Alarm Escalation Schedule is notified.
73. Send an email as a text message to a mobile device. This allows SMS enabled mobile phones to receive alarm notification messages as text.
74. Use Substitution Keywords in alarm messages. These keywords will be replaced by their runtime value when an alarm is generated, creating alarm messages that are customized for each type of monitored object.
75. Run SQL queries inside a VBScript to test the performance of a database.
76. Scan staff email for inappropriate text strings using the Email Check monitored object. Automatically notify management if inappropriate text is found in company email.
77. Scan the attachment text of emails and delete the message if executable files are found among the attachments.
78. Monitor the number of undeliverable messages received from an Exchange server and generate an alarm if too many messages are undeliverable.
79. Monitor the number of users logged into an Exchange server and generate an alarm if too many users are logged on.
80. Create a Task monitored object that will run a backup on a server at a specified time. Automatically send out a broadcast message to all contacts to notify them that the server will be unavailable.
81. When problems are found, send out a broadcast message to all contacts to inform them that a known problem exists and is being worked on. Notify them again when the problem has been resolved.
82. Remotely shut down systems left on at the end of a work day. Use WOL (Wake On LAN) to start up the systems the next morning.
83. Monitor the number of messages being sent from an Exchange server and alarm if too many messages are being sent per second. This indicates the presence of an email virus.
84. Allow Compaq Insight Manager to use the advanced notification methods used by PageR by monitoring its logfiles and notifying staff when specific error or event text is found in the logfile.
85. Configure external applications to use PageR's paging notification method. These applications can place paging (.MSG) files in the PageR SPIN directory. Files found in the SPIN directory will be processed by PageR and sent out as a page when found.
86. Use Room Alert to check for water (flooding) in the data center and automatically turn on a sump pump if water is found.
87. Use a Task monitored object to execute a script that will print various departmental reports at the end of each day/week/month/year.
88. Use Room Alert to alert staff when a door entry sensor is triggered.
89. Use Room Alert to alert staff and the local Fire Department when a smoke (fire) sensor is triggered. As a precaution, automatically back up critical files to disk or a remote server when smoke is detected.
90. Monitor TCP Port 514 (Syslog) to ensure Syslog messages can be sent.
91. Load the AS/400 monitoring script provided with PageR onto an AS/400 server. This script monitors common events on an AS/400 and can be customized by end users. Monitor the content of the log file generated.
92. Load the OpenVMS monitoring script provided with PageR onto an OpenVMS server to monitor disks, processes, CPU utilization and more.
93. Load the HP3000 script provided with PageR onto a HP3000 server. This script monitors common events and can be customized by users.
94. Load the UNIX script provided with PageR onto a UNIX (Any Version) server. This script monitors common events and can be customized as well, for advanced functions.
95. Monitor a directory or folder for issues such as the number of files and total size (bytes). Generate an alarm when the size of the folder becomes too large or when too many files exist in the folder. Use automatic corrective action to move files to other folders or remote systems.
96. Monitor a disk file and generate an alarm if the file size grows too large. Automatically delete the file or move it to another folder or remote system.
97. Scan HP3000 \$STDLIST spoolfiles for error conditions or problems.
98. Monitor the Syslog messages generated from a Linux system. Generate alarms and notify staff when critical events occur.
99. Use the FTP Get monitored object to be sure an FTP site is operating correctly. Attempt to download files and generate alarms if it fails.
100. Monitor a HP LaserJet printer with a JetDirect card by having it write error messages to Syslog. Monitor the Syslog file created, alarm if needed.
101. Use the Disk File monitored object to monitor critical Windows system files such as 'Autoexec.bat' and 'Config.sys'. If PageR detects that critical system files have been modified, it could be the sign of a virus. Automatically restore backup copies of these files to prevent problems before they occur.

The end of the list is just the beginning because the monitoring possibilities of PageR *Enterprise* are endless. The examples above will help you get started right away.