# **Cloud Computing Patch Automation Checklist**



Ensure product licensing is current and valid.



### **EVENT LOGS AND SERVICES**

Check system, application, Domain Name
System (DNS), Functional Requirement
Specification (FRS) and security logs.
Archive old events with appropriate dates.
Troubleshoot error events and warnings that
arise in your cloud computing environment.
Check cloud computing services for failed
startups.
Check the correct services are starting up.
Disable unnecessary services.



## **DISK MANAGEMENT**

Check disks for data integrity and consistency.
Analyze disk performance and usage.
Check status of Redundant Array of Inexpensive
Disks (RAID) configuration if applicable.
Perform and or schedule a chkdsk and
defragment disks if required.
Check disk capacity.
Clear temp files.
Check network shares and disable any
unnecessary shares.



### **ANTIVIRUS**

Check event, history and virus logs in your
cloud computing environment.
Check scan schedule times.
Clear quarantined items.
Ensure antivirus definition updates are occurring
in your cloud computing environment



Enable and check firewall and router logs.
 Troubleshoot findings.

 Perform penetration tests on network/servers.
 Perform security checks on other cloud computing applications and files.
 Check wireless authentication, encryption, access control and logs.
 Check for password strength policies.



Check Active Directory replication.
 Check Active Directory using replmon, dcdiag, and/or netiq tools.
 Monitor Active Directory performance.
 Audit and remove unnecessary user accounts.



#### MICROSOFT EXCHANGE MAIL SYSTEM

- Check Exchange event logs.
  Clear dead and/or bad mail.
  Check individual mailbox space usage and note any large mailboxes.
- Ensure replication and routing events are successful.
- Schedule a database compact using either isinteg or eseutil tools.



Check network utilization rates.Monitor any excessive broadcast traffic.Identify any network bottlenecks.



- Check server performance using perfmon.
  Check (Dynamic Host Configuration Protocol (DHCP), Domain Name System (DNS) and Windows Internet Name Service (WINS) configurations.
- Check Windows Server Update Services (WSUS) synchronization logs.
- Approve any necessary updates to your cloud computing environment.
- Confirm group policies settings.
- Check the uptime of servers, switches, and routers.
- Test Universal Power Supply (UPS) battery performance.
- Make a hardware profile in case you need to roll back your cloud computing environment to the last known working config.
- Test your contingency remote access mechanism(s). Examples are PCAnywhere, Terminal Services, Virtual Network Computing (VNC), HP Integrated Lights-Out (iLO) management port.

CompTIA's vendor-neutral Cloud+ certification validates the skills needed to maintain your cloud computing environment and automate patching tasks.