



SCCM 1 Day MS Updates Process

Details pertaining to the 1 Day subscription service
(Windows 7, 8, 2008, 2012)



The following attempts to document the deployment process for Microsoft Updates to the CLAS SCCM clients within the **Standard** or **Standard Plus** service levels (NOTE: the Minimal service is NOT subscribed to the 1-Day update process). Currently, these machines are subscribed to an ITS-managed service that deploys the updates **1 Day** after they have been made available to the campus by ITS.

1. The Updates are publicly released by Microsoft.

- Typically this is the 2nd Tuesday of every month (what is known as “Patch Tuesday”).
- Every Tuesday new items will be checked for by the ITS Enterprise Client Management (ECM) group and deployed according to the assigned subscription service.
- Updates are typically made available by ITS ECM 1 day after they are released by Microsoft.

2. The Updates approved by the ITS ECM (Enterprise Client Management) group usually become available at 12 a.m. to the SCCM clients, and they begin downloading to the local cache on each machine to prepare for installation.

- Before approving the updates, the ITS ECM group deploys them via SCCM to test machines to verify that everything works.
 - All possibilities and configurations cannot be tested for, so there is still a chance that there could be issues with an update.

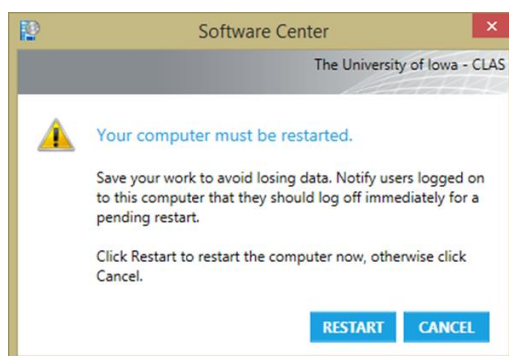
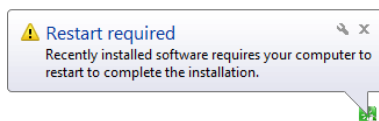
3. At 2:57 a.m. any machines still listed as needing to install the updates will be remotely powered on by the SCCM server.

- A Wake-On-LAN (WOL) package is used to power up on-campus machines.
- The WOL packet is not recurring, so if a client machine misses the packet, it will wait to obtain the updates until the next time it is powered on and communicating.

4. Whether or not a user is logged in, the updates will begin to install in the background when the next available maintenance window (3:00 a.m. – 5:00 a.m. every night) is reached, or has passed.

5. If any update(s) requires a restart and the user is logged in a forced restart may be performed.

- **Important: Unsaved data maybe lost on restart.**
- If the updates ARE finished during the maintenance window, the restart will be triggered immediately.
 - If a user happens to be logged in during this time, they will be notified with popups, one of which states that a restart will take place in 90 minutes. They may choose to wait, or force the restart immediately by clicking the on-screen notification.



- If the updates are NOT finished installing during the maintenance window, the restart is postponed until the next available maintenance window (every night 3:00 a.m. - 5:00 a.m.).
 - There may be additional popup reminder notifications. These may continue until either the computer is restarted or it reaches the next maintenance window and is forcefully restarted.

