

How to enable LEDBAT for SCCM SUP and DP

In this post, I am going to enable LEDBAT (Low Extra Delay Background Transport) feature within CB2203 for Software Update Point and Distribution Point.

LEDBAT adjust download speeds during client scan for software update within CB2203. To enable this feature, you have to be on Current Branch 2203 running Windows Server 2016 or later.

I have one Primary site with DP. So, I have to enable the feature for both SUP and DP. If you have multiple DP, Primary and Secondary Site do the same for all.

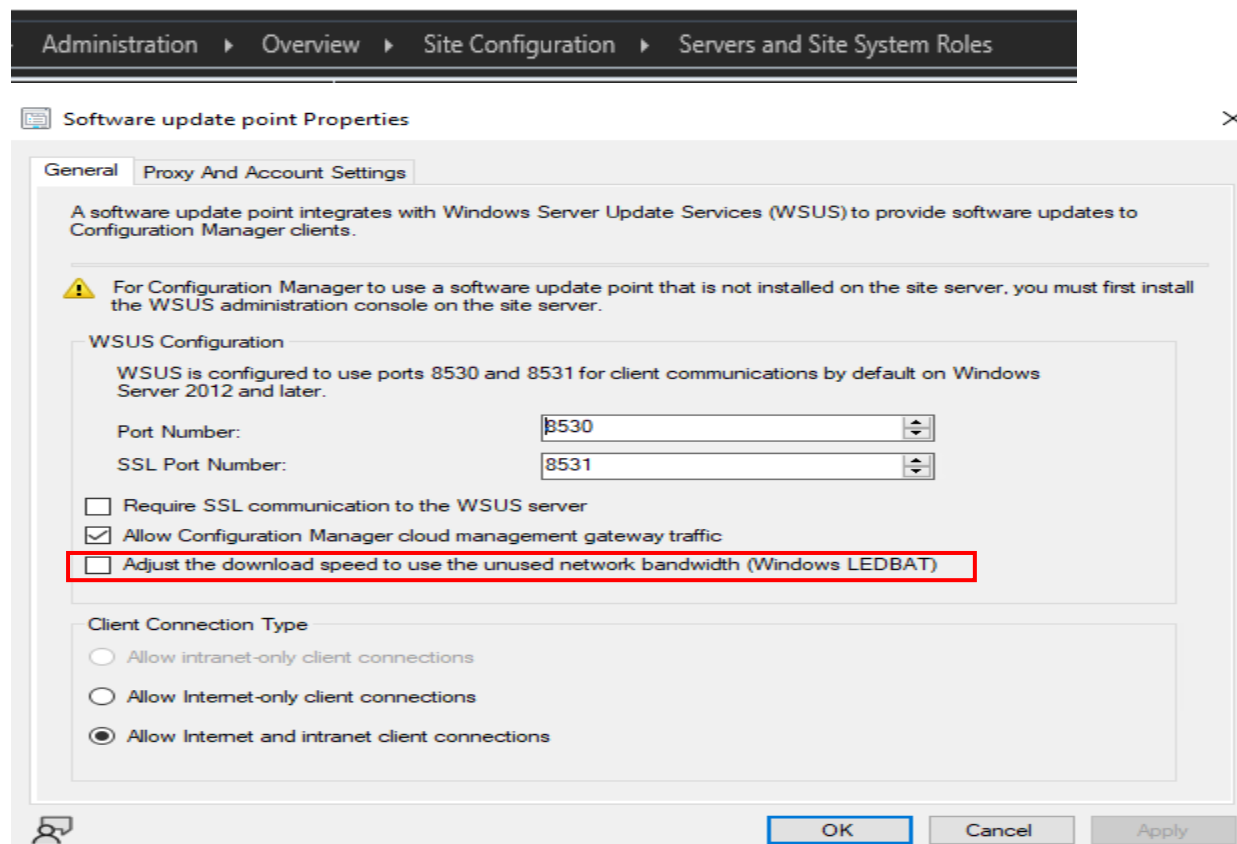
What is LEDBAT in SCCM?

Windows Low Extra Delay Background Transport (LEDBAT) is a network congestion control feature of Windows Server to help manage background network transfers. LEDBAT adjusts download speeds during client scans against WSUS to help control network congestion.

Minimum requirements for LEDBAT Support

- Windows Server, version 1709 or later
- Windows Server 2016 with the following updates:
 - Cumulative update KB4132216, released June 21, 2018, or a later cumulative update.
 - Servicing stack update KB4284833, released May 18, 2018, or a later servicing stack update.

Go To – Software Update Point - Properties



The screenshot shows the 'Software update point Properties' dialog box in the SCCM console. The breadcrumb trail at the top reads: Administration > Overview > Site Configuration > Servers and Site System Roles. The dialog has two tabs: 'General' and 'Proxy And Account Settings'. The 'General' tab is active, displaying a warning icon and text: 'For Configuration Manager to use a software update point that is not installed on the site server, you must first install the WSUS administration console on the site server.' Below this is the 'WSUS Configuration' section, which includes a text box stating 'WSUS is configured to use ports 8530 and 8531 for client communications by default on Windows Server 2012 and later.' There are two spinners for 'Port Number' (set to 8530) and 'SSL Port Number' (set to 8531). Three checkboxes are present: 'Require SSL communication to the WSUS server' (unchecked), 'Allow Configuration Manager cloud management gateway traffic' (checked), and 'Adjust the download speed to use the unused network bandwidth (Windows LEDBAT)' (unchecked and highlighted with a red box). The 'Client Connection Type' section at the bottom has three radio buttons: 'Allow intranet-only client connections' (unselected), 'Allow Internet-only client connections' (unselected), and 'Allow Internet and intranet client connections' (selected). At the bottom right, there are 'OK', 'Cancel', and 'Apply' buttons.

Go To – Distribution Point - Properties

Administration > Overview > Site Configuration > Servers and Site System Roles

\\CB.RAMLAN.CA Properties

General | Communication | PXE | Multicast | Group Relationships | Content | Content Validation | Boundary Groups

Description:
Toronto

Enable and configure BranchCache for this distribution point

Adjust the download speed to use the unused network bandwidth (Windows LEDBAT)

Enable this distribution point for prestaged content

Enable this distribution point to be used as Microsoft Connected Cache server
[Learn more](#)

You need one of the following license subscriptions for each device that gets content from a Connected Cache-enabled distribution point:

- Windows 10 Enterprise E3 or E5, included in Microsoft 365 F3, E3, or E5
- Windows 10 Education A3 or A5, included in Microsoft 365 A3 or A5
- Windows 10 Virtual Desktop Access (VDA) E3 or E5

By checking the box, I confirm that I have the required license subscriptions.

Select the drive and disk space to be used for cache location. If you select Automatic, Configuration Manager selects the drive that has the most free space.

Local drive to be used: Automatic

Disk space: GB 100

Retain cache when disabling the Connected Cache server

OK Cancel Apply

Now you have configured LEDBAT within your environment.

Thanks

Ram
22nd Apr 2022