

What is a Scheduled Push?

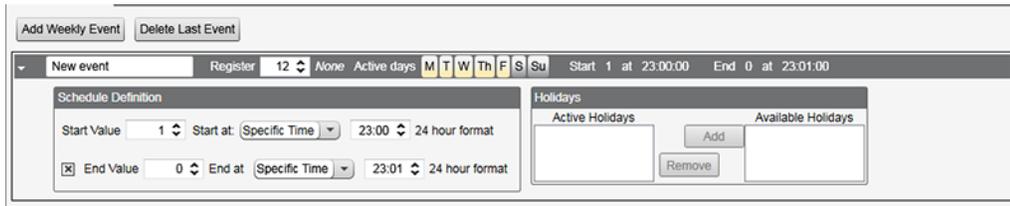
A scheduled push uses the DXM's **Scheduler** function to force a data push at a specific time. Use the DXM Configuration Software software to create, save, and upload the configuration file to the DXM.

Create a Scheduled Push

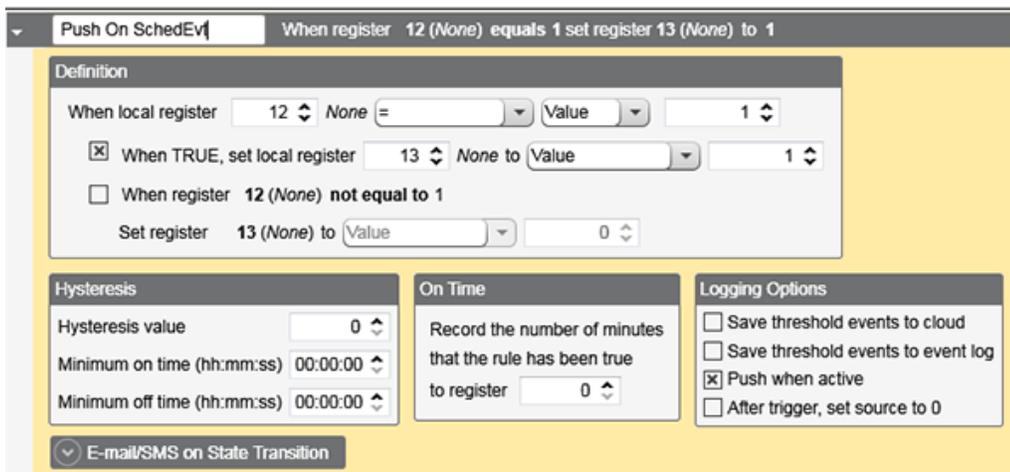
These instructions assume you have installed the latest version of the DXM Configuration Software and have launched it on your Windows-based PC.

The following example creates an automatic data push that runs at 11pm, Monday through Friday.

1. Define all local registers to push to the webserver.
 - a) Go to the **Local Registers > Local Registers in Use** screen.
 - b) Click the register number to display that register's parameters.
 - c) Set **Cloud settings** to Read.
 - d) Set **LCD Permissions** to Read to display the local register to the DXM's LCD.
2. Define the scheduled event.
 - a) Go to the **Scheduler > Weekly Events** screen.
 - b) Click **Add Weekly Event**.
 - c) Click the arrow next to the new event to view all parameters.
 - d) Enter a name for the event.
 - e) Select the local register. For this example, we are using local register 12.
 - f) Click on the days of the week that this local register will be changed. For this example, we have selected Monday through Friday.
 - g) Select the start value and the specific time you want this event to occur. For this example, we have selected the start value of 1, to occur at 23:00 hours (11 pm).
 - h) Select the end value and specific time you want this event to occur. For this example, the register value returns to zero at 23:01 (11:01 pm), one minute later.



3. Create an Action rule to push data to the webserver.
 - a) Go to the **Local Registers > Action Rules > Thresholds** screen.
 - b) Click **Add Threshold Rule**.
 - c) Click the arrow next to the new rule to view all parameters.
 - d) Enter a name for the rule.
 - e) Fill in the parameters. For our example, we are setting local register 13 to 1 when local register 12 is 1.
 - f) Select **Push when active**.



When the value of register 12 is 1, the DXM pushes the defined data set to the webserver.

The Scheduler creates the timed event that occurs Monday through Friday. At the scheduled time and day, the value of local register 12 is set to 1 for one minute. The Action rule watches local register 12, and when the value is 1, the action rule creates a push event to the webserver.

Configure the DXM to Access the Webserver

Before the DXM can read or write data to the webserver, you must define or confirm several parameters.

1. Go to the **Settings > System** screen and set the **Device Time** and time zone.
The device time can be verified on the DXM LCD.
2. Select whether or not the DXM should use daylight saving time (DST).
3. On the **Settings > Cloud Services** screen, set the **Cloud push interval** to none.
This allows the action rule to push data.
4. Under the **Web Server** section, verify the **Site ID** is accurate. This Site ID is unique for every device and is created by the website.

Save and Upload the Configuration File

After making any changes to the configuration, you must save the configuration files to your computer, then upload it to the device.

Changes to the XML file are not automatically saved. Save your configuration file before exiting the tool and before sending the XML file to the device to avoid losing data. If you select **DXM > Send XML Configuration to DXM** before saving the configuration file, the software will prompt you to choose between saving the file or continuing without saving the file.

1. Save the XML configuration file to your hard drive by going to the **File > Save As** menu.
2. Go to the **DXM > Send XML Configuration to DXM** menu.

Figure 1. Status indicator bar



- If the Application Status indicator is red, close and restart the DXM Configuration Tool, unplug and re-plug in the cable and reconnect the DXM to the software.
- If the Application Status indicator is green, the file upload is complete.
- If the Application Status indicator is gray and the green status bar is in motion, the file transfer is in progress.

After the file transfer is complete, the device reboots and begins running the new configuration.