Schedule live streams and transcoders in Wowza Streaming Cloud

Originally Published on 02/22/2017 | Updated on 11/12/2018 11:59 am PST

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About schedules

Schedules allow you to automatically start or stop a live stream or transcoder at a predetermined date and time. Using schedules helps speed your production workflow. For example, you can use a schedule to automatically stop a live stream that you know ends at a specific time, so you don’t accidentally leave it running. Another time a schedule might be useful is to automatically start a daily live stream.

You can configure a schedule to start and/or stop a live stream or transcoder just once, or you can configure it to repeat the behavior on a regular basis.

Notes:

- When you use a schedule to start a live stream or transcoder, the transcoder’s Idle Timeout feature is disabled. The started live stream or transcoder will continue to run until you stop it in the Wowza Streaming Cloud™ service either manually or by using a stop schedule.
- You can’t schedule streams that are received, already transcoded, from Wowza Streaming Engine and are sent directly to a Wowza CDN target for delivery. These streams must be started at the source: Wowza Streaming Engine.

Add a schedule
1. Do one of the following:

- On the **Live Streams** page, click **Schedules** for any live stream and then click **Add Schedule**.
- On the **Transcoders** page, click **Schedules** for any transcoder and then click **Add Schedule**.
- Click **Advanced** on the menu bar, click **Schedules**, and then click **Add Schedule**.

2. On the **Add Schedule** page, enter schedule details.

- **Schedule Name** – A short, descriptive identifier for the schedule that differentiates it from other schedules. The **Schedule Name** can’t be longer than 255 characters. If you leave **Schedule Name** blank, Wowza Streaming Cloud assigns a name based on the name of the live stream or transcoder, the type of schedule you create (start or stop), and the time and time zone you select.
- **Live Stream/Transcoder** – The live stream or transcoder that you’re scheduling. **Live Stream/Transcoder** is available only if you’re adding the schedule from the **Schedules** page. If you selected a live stream or transcoder before you clicked **Add Schedule**, it’s already associated with the schedule you’re adding.
- **Schedule Status** – A schedule must be enabled in order to run, and **Enabled** is selected by default, so as soon as the schedule is created it will run at the specified date and time. If you don’t select **Enabled**, you can enable it at a later time.
- **Schedule Recurrence** – A schedule can run once or it can repeat at a regular frequency. Select **Run once** to create a schedule that runs a live stream or transcoder one time only, at the specified **Start** and **Stop Times**. To create a schedule that recurs, select **Repeat** and then select the day or days of the week on which you want the schedule to run. Then, specify the time range that the schedule should run by selecting **From** and **To dates**.

  **Note:** You can’t change the **Recurrence** option after the schedule is created, but you can edit when a schedule repeats and runs.

- **Start and Stop Times** – A schedule can either start, stop, or start and stop a live stream or transcoder. Select whether you want the schedule to start and/or stop the live stream or transcoder, and then specify the exact start and stop dates and times (for run-once schedules) or specify just the start and stop times (for recurring schedules).

  A schedule can’t start and stop a live stream or transcoder at the same time. Start
and stop times must be at least five minutes apart.

When choosing the start time, keep in mind that it takes a few minutes for Wowza Streaming Cloud to configure the live stream or transcoder. If your event begins at 9am, for example, it’s a good idea to set the start time a little earlier, say, at 8:55am. The minimum run time for a scheduled live stream or transcoder is 5 minutes, but we recommend scheduling at least 10 minutes between start and stop.

- **Time Zone** – The time zone that applies to the schedule. By default, your browser time zone is selected.

3. Click **Add**.

Wowza Streaming Cloud creates the schedule and displays the live stream, transcoder, or account **Schedules** page.

**View all schedules**

You can see the high-level details of all of your schedules on the **Schedules** page.

1. Click **Advanced** on the menu bar, and then click **Schedules**.

The table provides a row for each schedule and shows the associated **Live Stream/Transcoder** as well as the schedule **Name** (and who created it), **Type**, **Recurrence**, **Start Time** (and stop time and date), and **Status**.

The schedule’s **Status** column shows one of three states:

- **Enabled** – When enabled, a schedule runs at the specified start date and time. If the schedule repeats, it will recur every day until the **Schedule End Date** or until you disable it.
- **Disabled** – A disabled schedule is turned off and doesn’t run.
- **Expired** – The schedule occurred in the past.

2. (Optional) Do any of the following:

- Find a specific schedule by entering a complete or partial live stream, transcoder, or schedule name in the **Search** field and pressing Enter or Return. Or, enter a schedule ID, which can be obtained by using the Wowza Streaming Cloud REST API.
• Click the double arrow by any header to sort the table by that value.
• Click the down arrow or the up arrow next to a column header to change the sort direction.

View all schedules for a stream

1. Do one of the following:
   • On the Live Streams page, click Schedules for any live stream.
   • On the Transcoders page, click Schedules for any transcoder.

2. (Optional) Do any of the following:
   • Click Add Schedule to create a new schedule.
   • Use the Recent panel to view one of the five most recently used or edited live streams or transcoders, or to create a new live stream or transcoder.
   • Find a specific schedule by entering a complete or partial live stream, transcoder, or schedule name in the Search field and pressing Enter or Return. Or, enter a schedule ID, which can be obtained by using the Wowza Streaming Cloud REST API.
   • Click a table header to change the sort option or direction of the search results.
   • Click a schedule name to view that schedule’s details.
   • Click Enable, Disable, Edit, or Delete to perform that action on the schedule.

Enable, disable, or delete a schedule

You can opt to enable a schedule when you create it. You can also enable, disable, or delete a schedule at any time.

1. Do one of the following:
   • Click Live Streams on the menu bar, and then click Schedules for any live stream on the Live Streams page.
   • Click Advanced on the menu bar and then click Transcoders. Click Schedules for any transcoder on the Transcoders page.
   • Click Advanced on the menu bar, click Schedules.

2. In the Actions column for any schedule, click any of the following:
   • Enable – Instructs Wowza Streaming Cloud to execute the schedule at the
specified date and time.

- **Disable** – Puts the schedule in a non-operating state. A disabled schedule doesn’t run.
- **Delete** – Removes the schedule from Wowza Streaming Cloud.

**Tip:** To delete all schedules at once, select the box in the upper-left corner of the table and then click **Delete** in the Actions column of any selected schedule. Or, individually select multiple schedules using the check boxes in the left column of the table, and then delete the selected schedules at once.

3. When prompted to confirm that you want to enable, disable, or delete the schedule, click **OK**.

The **Status** column updates to reflect the change.

**View a schedule's details**

1. Do one of the following:
   - Click **Live Streams** on the menu bar, and then click **Schedules** for any live stream on the **Live Streams** page.
   - Click **Advanced** on the menu bar and then click **Transcoders**. Click **Schedules** for any transcoder on the **Transcoders** page.
   - Click **Advanced** on the menu bar, and then click **Schedules**.

2. Click a schedule **Name** in the table in the middle of the page.

The name of scheduled item appears under **Live Stream/Transcoder**. Other details displayed include the schedule status, type, recurrence setting, and start and stop times.

A **Schedule History** table appears if the schedule has been executed at least once. The table shows when the schedule ran and whether or not it ran successfully.

**Edit a schedule**

1. Do one of the following:
   - Click **Live Streams** on the menu bar, and then click **Schedules** for any live stream on the **Live Streams** page.
- Click Advanced on the menu bar and then click Transcoders. Click Schedules for any transcoder on the Transcoders page.
- Click Advanced on the menu bar, and then click Schedules.

2. Click Edit in the Actions column of the schedule you want to change.
3. Change the Schedule Name, Live Stream/Transcoder, Schedule Status, Repeat options (for recurring schedules), and Start and Stop Times.
4. Click Save.