Solstice Cloud Admin Guide
Updated October 29, 2020
# Table of Contents

- Get Started with Solstice Cloud ................................................................. 2
- Create Categories and Assign Pods .......................................................... 4
- Configuration Templates .............................................................................. 7
  - Welcome Screen Template ................................................................. 12
  - Calendar Template ............................................................................. 17
  - Features Template ............................................................................... 20
  - Digital Signage Template .................................................................... 26
  - Message Center Template .................................................................... 29
  - Ethernet Template ............................................................................... 32
  - Proxy Template ................................................................................... 37
  - WiFi Settings Template ....................................................................... 39
- Discovery Template .................................................................................... 44
- Security Template ..................................................................................... 46
- Time/Locale Template ............................................................................... 50
- Advanced Template ................................................................................... 52
- Power Management Template ................................................................... 54
- Monitor Your Deployment ......................................................................... 57
- Schedule Software Updates Using Solstice Cloud .................................... 60
- Roles and Permissions ............................................................................... 64
Get Started with Solstice Cloud

Solstice Cloud is a secure and scalable portal that helps organizations to optimize their Solstice-enabled meeting and learning spaces for greater usability, productivity, and ROI. This is done through its easy to use management, monitoring, and analytics capabilities. Solstice Cloud allows administrators to easily deploy, monitor, and update Solstice Pods from anywhere in the world using custom categories, configuration templates, and scheduled software updates. Once deployed, usage data is securely collected from Solstice Pods and can be compared across room type or location to provide insight into room usage, participation, and meeting or class duration.

Once your Solstice Cloud account is created, you simply connect your Solstice Pods to the application using your Solstice Dashboard. This creates a Solstice Cloud account for your organization. As a note, Pods must have internet access to be onboarded into Solstice Cloud. Your organization only needs to create a single master Solstice Cloud account via the Dashboard. After that account is created, you can log in to Solstice Cloud to invite other users to join and simultaneously assign them a user role. This allows those users across your organization to access the same set of data and Pods. For more information, see Roles and Permissions.
Requirements

- To onboard Pods into Solstice Cloud, Pods must have internet access and be on software version 3.4 or later.
- Deployment management capabilities are available for every Solstice Pod on version 4.5 or later.
- Standard Solstice Cloud capabilities, including deployment management, are available at no charge for every Pod in perpetuity.
- Full Solstice Cloud capabilities, including deployment monitoring and analytics, require current Solstice Subscription.

How To

Create Your Solstice Cloud Account and Onboard Your Pods

1. Open the Solstice Dashboard.

   If you do not have the Solstice Dashboard, you will first need to download the Dashboard, then import your Pods into the Dashboard before proceeding to step 2.

2. From the list of your Solstice instances, select the Pod displays you wish to connect to Solstice Cloud.

3. Go to the Solstice Cloud tab, then click Connect. A list of your selected displays appears.

4. If needed, select or remove additional displays, then click Next.

5. Read through the terms of service. If you agree to the terms listed, select the Agree checkbox, then click Next.

6. Enter your email address, then click Next. If no Solstice Cloud account is associated with the email address entered, a prompt to create your password displays.

7. Enter a password, confirm the password, then click Next. A notification confirming the displays have been added to your Solstice Cloud account appears.

8. Click anywhere on the notification to proceed.

9. Click the My Account link to be directed to the Solstice Cloud login page via a web browser.
Create Categories and Assign Pods

Categories provide the ability to classify Solstice instances in ways that are meaningful to you. Mersive strongly recommends assigning Pods to categories once you’ve imported them into Solstice Cloud. Once created, categories can be used to filter, sort, and compare usage data among the different types of Solstice instances to help drive business decisions. For example, data from Solstice Cloud’s meeting analytics can help you determine future meeting room construction based on the most utilized types of rooms. Categories can also be used to select specific Solstice Pods to schedule software updates. This allows you to schedule software updates for your Pods based on location or department to avoid disruptions.

The Solstice Cloud portal allows you to choose from a list of recommended categories or create your own. Creating a robust category scheme allows you to drill down into your deployment usage data in meaningful ways. For example, you can compare Solstice usage between buildings to see how the technology is being adopted at each location, or compare the average meeting duration of bookable vs. non-bookable huddle spaces. Mersive recommends that you follow these guidelines when assigning categories.

- Create categories that can be applied to all Pods (e.g. create a "Location" category instead of a "Denver" category).
- Start with broad categories then drill down into more specific ones (e.g. create a category for Country, City, then Office).

Here is an example category scheme:

<table>
<thead>
<tr>
<th>Region</th>
<th>City</th>
<th>Building</th>
<th>Room Type</th>
<th>Department</th>
<th>Bookable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southeast</td>
<td>Denver</td>
<td>Denver HQ</td>
<td>Large Conf</td>
<td>Marketing</td>
<td>Yes</td>
</tr>
<tr>
<td>Midwest</td>
<td>New York</td>
<td>65 Blake St</td>
<td>Med Conf</td>
<td>Engineering</td>
<td>No</td>
</tr>
<tr>
<td>Mid-Atlantic</td>
<td>Amsterdam</td>
<td>Midtown</td>
<td>Huddle</td>
<td>Sales</td>
<td></td>
</tr>
<tr>
<td>Northeast</td>
<td>Chicago</td>
<td>50 West Broad St</td>
<td>Personal Office</td>
<td>Med School</td>
<td></td>
</tr>
<tr>
<td>West</td>
<td>Seattle</td>
<td>Parham Campus</td>
<td>Public Area</td>
<td>Business Office</td>
<td></td>
</tr>
</tbody>
</table>

How To

Create Categories

1. In the left sidebar menu of the Solstice Cloud portal, go to Categories.
2. Click Add Category.
3. To create a category from the recommended options:
   a. Click **Choose from recommended**.
   b. Select one of the recommended categories, then click **Next**.
   c. Remove any default options you do not wish to keep.
   d. Click **Save & Apply**.
   e. Click **Got It**.

4. To create your own custom category:
   a. Click **Create custom**.
   b. Enter the **Category Name**, then click **Next**.
   c. Enter in the **Options**. For example, if you are creating a category to group Pods based on the floor of the building they are on, you can enter Level 1, Level 2, etc.
   d. If you wish you add another option, click in the last option field and hit the **Enter** key.
   e. Once you are done entering options, click **Save & Apply**.
   f. Click **Got it**.

---

**Assign Categories to Pods**

Keep in mind, if you change the assigned category of a Pod, it may affect the accuracy of historical data.

1. In the left sidebar menu of the Solstice Cloud portal, go to **Categories**. The Pods that have been imported into Solstice Cloud are listed.

2. To display certain categories in the table, click the expand icon in the Category Manager heading.

3. Select the checkboxes of all the categories you wish to view. The selected categories appear as columns in the table.

4. To add Pods to categories individually:
   a. For each Pod, click the drop-down in the corresponding category column and select an option from the list that appears. **Note**: You can only add one option to each Pod per category.

5. To add Pods to categories in batches:
   a. On the left-hand side of the table, select the checkboxes of each of the Pods you wish to categorize together. A blue bar appears at the top of the table.
b. In the blue bar, click the drop-down for the corresponding category column and select an option from the list that appears. A prompt appears asking if you want to assign the category option for the selected displays.

c. Click **Save**.

d. To deselect all of the Pods, click the remove icon in the blue bar.

6. Repeat steps 3-5 to assign all of your Pods to categories.
Configuration Templates

Solstice Cloud allows administrators to create unlimited configuration templates to apply across their Solstice deployment. Configuration templates can be created for network settings, security settings, appearance settings, and more, with access to all of the configuration options available in the Solstice Dashboard. Solstice Cloud templates can be applied to Pods on Solstice version 4.5 or later.

While most settings can be batch configured in templates, there are still certain settings or values that are unique to each Pod and will need to be set for each Pod individually, such as static IP addresses or DNS hostnames. When creating templates, these settings will be labeled with "Unique to Pod" if they need to be configured individually.

To make the process of applying templates across your deployment more efficient, the Create Categories topic outlines how to create and use categories, as well as best practices to consider when creating categories. This will allow you to apply configuration templates to Pods by location, campus, or any other categories you choose to define.

How To

Create a New Template

1. In the left sidebar menu of the Solstice Cloud portal, click Manage > Templates.
2. Select the template type you wish to create. For example, you can select Welcome Screen or Features.
3. Click Create New Template.
4. Enter the Template Name. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).
5. Click Save.
6. Configure the settings you wish to be applied for that template.

While most settings can be batch configured in templates, there are still certain settings or values that are unique to each Pod and will need to be set for each Pod individually.

7. Click Save.

Assign a Template to a Pod
1. In the left sidebar menu of the Solstice Cloud portal, click **Manage > Pods**. The Pod Template Assignments table displays. This table is used to apply templates across your deployment. You can apply a template to multiple pods at once.

   ![Pod Template Assignments Table]

   You can use the filters from the categories you have created to sort Pods in your deployment and make applying templates across your deployment easier. Filters allow you to apply templates by criteria such as location or campus, depending on the categories you have created and assigned to Pods.

2. Select the checkboxes of the Pods you want to apply the template to. You can select each Pod's checkbox individually, or select the checkbox in the header row of the table to select all of the Pods in the table.

3. For each template you want to apply, go to the corresponding template type column (e.g., Welcome Screen). You can view a different group of template columns by selecting the group name in the upper right-hand corner of the table.

![Pod Template Assignments Table with different groups selected]

4. Click the corresponding drop-down in the table, then select the name of the created template.
5. A pop-up asks you to confirm the changes. Click **Confirm**. A green notification that the template was applied displays.

6. As changes are being applied, a loading icon will appear next to the Pod, and the pending changes icon will appear next to the template(s) being applied. Once the changes are applied, the Pod's normal status will resume.

   If a Pod is offline, any changes made will be applied when the Pod is back online.

7. If a template you applied has any unique settings that need to be applied each Pod individually, a sliding pop-up will appear prompting you to enter the needed information. Once you are done, click **Save & Close**.
Edit a Template

1. In the left sidebar menu of the Solstice Cloud portal, click Manage > Templates. The drop-down expands to show a list of templates.

2. Select the template type you wish to edit. For example, you can select Welcome Screen or Features.

3. Click on the template you wish to edit.

4. Edit or update any of the template’s settings.

5. Click Save. If the template has been applied to any Pods, clicking Save will apply any changes to those Pods.

Duplicate a Template

1. In the left sidebar menu of the Solstice Cloud portal, click Manage > Templates. The drop-down expands to show a list of templates.

2. Select the template type you wish to edit. For example, you can select Welcome Screen or Features.
3. For the template you wish to duplicate, click the vertical ellipsis icon, then select **Duplicate Template**.

   ![Duplicate Template](image)

4. If you wish to, you can edit the template name, as well as edit or update any of the template's settings.

5. Click **Save**.

---

**Delete a Template**

1. In the left sidebar menu of the Solstice Cloud portal, click **Manage > Templates**. The drop-down expands to show a list of templates.

2. Select the template type you wish to edit. For example, you can select Welcome Screen or Features.

3. For the template you wish to duplicate, click the vertical ellipsis icon, then select **Delete Template**.

   ![Delete Template](image)

4. In the confirmation pop-up that appears, click **Delete**.
Welcome Screen Template

The Welcome Screen template gives you many options to customize the appearance of your Solstice display welcome screen to match your organization's branding by changing or uploading background images, adding custom connection instructions, choosing the text color, and more.

How To

Access This Page

1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > Welcome Screen.

Create a New Template

1. Click Create New Welcome Screen Template.
2. Enter the **Template Name**. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Once you are done creating and customizing your template, click **Save** in the top right corner of the template. Once a template is saved, it can be assigned to Pods. Templates can be edited or deleted at any time.

---

**Manage Background Images**

The **Thumbnail Preview** displays how the Welcome Screen will look with the current settings. This preview will change as you edit options on the page. Below the preview, you can manage the **Background Images**. You can have up to six background images, and the Welcome Screen will rotate through the images that have been enabled.

1. To change the background image to one of your own, click on the upload icon for that background image. Then browse to the image file and select.

2. Disable background images from the rotating display by deselecting the checkbox in the lower right-hand corner of the background image preview.

---

**Manage Display Options**

If you are using two monitors, you can control how the screens are displayed. From the **Display Options** drop-down, select how you would like the Pods to display monitors. Display options are
available for Pods that are connected to a single display monitor, or dual (two) display monitors.

- **Single (default):** This setting should be applied if the Pods will be connected to a single display monitor.
- **Dual - Mirror:** This setting should be applied if the Pods will be connected to two display monitors and you wish for both displays to be mirrored and display the same content.
- **Dual - Extend:** The two displays are treated as a single collaboration panel. Content can be shared to both displays and moved between them. Solstice intelligently knows where one display ends and the next begins and will never break a content post across the two displays.
- **Dual - Seamless Extend:** Content will be posted across the two displays as if they are a single seamless display. This mode is recommended for video walls or other setups where there is no bevel or seam between the two displays.

Dual output display options are only available for Gen3 Pods with dual HDMI out.

### Customize Connection Instructions

Connection instructions give end-users the information they need to connect to Solstice. You can customize these instructions according to how your organization has Solstice configured to allow users to quickly get started.

1. From the Instructions drop-down, select how you would like the connection instructions to display on the Welcome Screen for end-users.
   - **Default:** This setting uses Solstice’s default connection instructions.
   - **Show custom instructions:** Allows you to create custom instructions for meeting attendees to see on the Welcome Screen.

2. If you selected the **Show custom instructions** option, a rich text field appears below, allowing you to enter and format custom connection instructions. Use responsive variables such as `[RoomName]` and `[ScreenKey]` that will be auto-populated with the Pod-specific data.

3. To hide the Airplay instructions, deselect the **Show Airplay instruction** line checkbox.
4. To hide the Miracast instructions, deselected the **Show Miracast instruction** line checkbox.

<table>
<thead>
<tr>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Show custom instructions</td>
</tr>
</tbody>
</table>

- [ ] Show Airplay instruction line
- [x] Show Miracast instruction line

*Customize the text in your instructions:*
- [RoomName], [ScreenKey], [WifiNetworkName], [WifiIP], [EthNetworkName], [EthIP]

---

Set Footer Options

The footer at the bottom of the Solstice display’s welcome screen shows the display’s information so that users can easily discover and connect to the Pod. Solstice allows you to set whether or not the presence bar shows, as well as the information it contains.

- **Show footer on Welcome Screen**: Displays the footer on the Welcome Screen.
- **Show room name in footer**: Displays the room/display name.
- **Persist footer**: The footer will always show, even during collaboration sessions.
- **Show IP address in footer**: Displays the Pod’s IP address or DNS hostname.
- **Show screen key in footer**: If screen key is enabled on the Pod, this option displays the 4-
digit screen key required to connect to the Pod.

<table>
<thead>
<tr>
<th>Footer Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ Show footer on Welcome Screen</td>
</tr>
<tr>
<td>✔ Show room name in footer</td>
</tr>
<tr>
<td>□ Persist footer</td>
</tr>
<tr>
<td>✔ Show IP address in footer</td>
</tr>
<tr>
<td>✔ Show screen key in footer</td>
</tr>
</tbody>
</table>

Manage Main Screen Options

1. These options control elements that display on the Welcome Screen, such as the clock or the room name. Preview how each option changes the footer in the Thumbnail Preview as you select or deselect the following options:
   - Show clock
   - Show room name
   - Show screen key
   - Show hostname instead of IP address

2. To change the color of the text on the Welcome Screen, go to the Foreground text color option listed under the Main Screen Options, then click on the color preview field to change the color. You can either select a color using the color picker, or you can enter in the 6-digit hex color code of the color you wish to use.

<table>
<thead>
<tr>
<th>Main Screen Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>✔ Show clock</td>
</tr>
<tr>
<td>✔ Show room name</td>
</tr>
<tr>
<td>✔ Show screen key</td>
</tr>
<tr>
<td>□ Show hostname instead of IP address</td>
</tr>
</tbody>
</table>

Foreground text color □

---

16
Calendar Template

The Calendar template allows you to display the schedule and calendar information for the room when there is no other content being shared. Participants can see if the space is currently scheduled or available, as well as the next three upcoming meetings in the space.

How To

Access This Page

1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > Calendar.

Create a New Calendar Template

1. Click Create New Calendar Template.
2. Enter the **Template Name**. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Click **Save**.

---

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

---

**Integrate a Microsoft Exchange Calendar with a Solstice Display**

As a note, if you integrate a Microsoft Exchange account and do not supply an impersonation or delegation account, the personal calendar for that account will be used.

1. Select the **Enable Calendar Feature** checkbox.
2. From the **Calendar Type** drop-down, select **Microsoft Exchange**.
3. In the **Server URL** field, enter the Microsoft Exchange server URL if that is the type of calendar you are integrating.
4. In the **Authentication Type** drop-down, select the type of authentication your Microsoft Exchange server is using: Basic or NTLM.
5. Enter in the **Username** and **Password** for the room calendar account.
6. If you are a using an **Impersonation** or **Delegation Mailbox**, enter them into the corresponding fields.
7. By default, the meeting titles and meeting organizers will be visible on the display unless the meeting is marked in the organizer's calendar application as “private”. If you wish to hide these for all meetings, disable the corresponding options under **Privacy Settings**.
8. From the **Update Interval** drop-down, select the frequency at which the Pod will update the calendar meeting information visible on the display.
9. Click **Apply**.

---

**Integrate an Office 365 Online Calendar with a Solstice Display**

If you integrate an Office365 account and do not supply an impersonation or delegation account, the personal calendar for that account will be used.

For more information about the additional O365 configurations need to integrate with Solstice, as well as how to obtain the necessary information for the fields below, see [Updating Your Organization's Office 365 Calendar Configurations](#).
Mersive strongly recommends configuring the OAuth2 authentication type as Microsoft is ending its support for Basic authentication in 2021.

1. Select the **Enable Calendar Feature** checkbox.
2. From the **Calendar Type** drop-down, select **Office 365 Online**.
3. In the **Authentication Type** drop-down, select **OAUTH2**.
4. In the Tenant ID field, enter the **Tenant ID**.
5. In the Client ID field, enter your **Client ID**.
6. In the Client Secret field, enter the **Client Secret**.
7. By default, the meeting titles and meeting organizers will be visible on the display unless the meeting is marked in the organizer's calendar application as "private". If you wish to hide these for all meetings, disable the corresponding options under **Privacy Settings**.
8. From the **Update Interval** drop-down, select the frequency at which the Pod will update the calendar meeting information visible on the display.
9. Click **Apply**.

### Integrate a 3rd Party Calendar with a Solstice Display

Utilizing this option to integrate a third-party calendar requires advanced configurations using our [OpenControl API](#).

1. Select the **Enable Calendar Feature** checkbox.
2. From the **Calendar Type** drop-down, select **3rd Party Only**.
3. If you wish to hide meeting titles or meeting organizers from being visible on the room display, deselect **Show meeting titles** and/or **Show meeting organizers**.
4. From the **Update Interval** drop-down, select the frequency at which the Pod will update the calendar meeting information visible on the display.
5. Click **Save**.
Features Template

The Features template allows you to configure options for how attendees may view and interact with the Solstice display. There are options that determine how attendees can connect to the meeting, as well as how they may view and share content on their personal devices. Miracast support for Windows devices can also be enabled. For more information on how to configure Solstice to support sharing with Airplay and Miracast, see Enable Sharing with AirPlay and Enable Sharing with Miracast.

How To

Access This Page

1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > Features.

Create a New Features Template
1. Click **Create New Features Template**.

2. Enter the **Template Name**. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Once you are done creating and customizing your template, click **Save** in the top right corner of the template. Once a template is saved, it can be assigned to Pods. Templates can be edited or deleted at any time.

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

---

### Enable Screen Key

When enabled, in-room users will be required to enter the randomly generated screen key on the Solstice display before they can connect. You can also choose to turn on the option that will read the screen key out loud when a user attempts to connect to the display.

1. In the **Solstice Feature Options** section, select **Enable screen key**.

2. If desired, select the **Speak screen key** option to read the screen key aloud. The screen key will be spoken a maximum of once every 10 seconds if multiple connection attempts occur in short succession.

3. Click **Save**.

---

### Select Quick Connect Action Options

These options determine the behavior of the Solstice app when an end-user first downloads it from the Pod.

1. Select one of the following options:

   - **Launch app & connect**: Once installed, the Solstice app will launch, and app will automatically connect the display.

   - **Launch app only**: Once installed, the Solstice app will launch but will not automatically connect to a display or set the SDS address.

   - **Launch app & set SDS**: Once installed, the Solstice app will launch, and Solstice will automatically set the SDS address in the Solstice app in order to automatically populate the list of discovered displays for users to easily find and connect to a Solstice display. **NOTE**: For this capability to work, the Pod must have an SDS host address defined (Discovery template).

2. Click **Save**.
Select Content Alignment Default Options

These settings determine how content shared to Solstice will be aligned on the display.

1. Select one of the following options:
   - **Grid**: The content alignment is set to grid mode which automatically aligns content into a grid-like pattern. End-users will not be able to change the alignment.
   - **Freeform**: The content alignment is set to free-form mode which allows content to be moved around without being restricted to a grid. End-users will not be able to change this setting.
   - **Determine at runtime (Recommended)**: Allows end-users to set the preferred content alignment mode when they use the Solstice app.

2. Click **Save**.

Select Browser Look-In Options

These options are used to specify if end-users can view collaboration sessions remotely using a web browser.

1. Select one of the following options:
   - **Enabled**: End-users will be able to view collaboration sessions remotely using a web browser by entering the IP address on the Solstice display.
   - **Disabled**: End-users will not be able to view collaboration sessions remotely.
   - **Determine at Runtime**: When a collaboration session begins, end-users can decide if the collaboration session may be viewed remotely.

   If the security of your collaboration sessions is a concern, Mersive recommends selecting **Disabled**.

2. Click **Save**.

Select Solstice Feature Options

1. Select or deselect the following sharing options according to your preferences or organization's IT policy:
   - **Enable screen key**: When enabled, in-room users will be required to enter the screen key on the Solstice display before they can connect.
- **Speak screen key:** When enabled, Solstice will read the four-digit screen key out loud when a user attempts to connect to the display. The screen key will be spoken a maximum of once every 10 seconds if multiple connection attempts occur in short succession.

- **Disallow Moderator Mode:** Moderator Mode allows you to approve or deny requests from users to join the session or post content to the display. Moderator Mode is enabled by default. To disable it, select this checkbox.

- **Enable Miracast WiFi Direct:** Allows users to mirror their Windows device screen.

  The Miracast WiFi Direct option streams P2P from the Windows device to the Pod, while the Infrastructure option streams over the existing network. For more information on how to configure Miracast for your organization's needs, see Enabling Miracast. This option is only available for Gen2i and Gen3 Pods.

- **Enable Miracast Infrastructure:** Allows users to mirror their Windows device screen. This option is only available for Gen2i and Gen3 Pods.

- **Enable Android mirroring:** Allows users to mirror their Android device screen.

- **Enable iOS mirroring (AirPlay):** Allows users to mirror their iOS device screen.

- **Enable AirPlay discovery proxy:** Enable this option if your network does not allow use of Apple's Bonjour.

  For more information on how to configure AirPlay, see Enabling Airplay.

- **Enable Bluetooth discovery for AirPlay:** Enable this option to allow end-users to discover the Solstice display without having to first connect to the network. This provides another alternative for discovery for environments that do not allow UDP broadcast traffic or Apple's Bonjour protocol. Available on Gen3 Pods only. As a note, users will still have to connect to the same network as the Pod in order to stream content via AirPlay.

- **Enable clientless sharing via browser:** Allows users to connect and share content via a web browser without the Solstice App. This option is only available for Gen2i and Gen3 Pods.

  2. Click Save.
### Select HDMI Input Behavior Options

These options set the default behavior for a wired source connected to the HDMI-in port of a Gen3 Pod.

1. Select one of the following options:
   - **Standard Post** (default): If a wired HDMI-in source is connected to the Solstice Pod, it will be treated as a standard Solstice content post.
   - **Persistent Post**: If a wired HDMI-in source is persistently connected to the Solstice Pod, it will display full screen when there are no other posts shared to Solstice. When another post is shared, the wired HDMI-in source is automatically moved off screen to the dock. When all wireless posts are deleted, the wired HDMI-in source automatically returns to full screen. This mode is designed to support wired inputs that should appear anytime users are not actively sharing content to Solstice.

   When in **Persistent Post** mode, the wired HDMI-in source cannot be deleted by other Solstice users. To remove the post, the wired HDMI-in source must be unplugged.

2. Click **Save**.

### Enable Solstice Conference
When enabled, integrates any conferencing solution installed on the host's laptop (Zoom, Teams, GoToMeeting, etc.) in Solstice-enabled rooms to allow flexibility and support for remote attendees

This feature is disabled by default.

1. In the **Room Services** section, select **Enable Solstice Conferencing**.
2. Click **Save**.

### Enable Location Services

When enabled, Solstice scans the environment (such as WiFi SSIDs and Bluetooth) to estimate the approximate geographic location of Pods. This allows Solstice app users to quickly connect to a Pod that they are physically nearby, streamlining the connection process.

This feature is disabled by default.

1. In the **Room Services** section, select **Enable location services**.
2. Click **Save**.

Solstice’s location services will not collect any personally identifiable information. Use of this feature is subject to the terms and conditions.

### Enable Occupancy Data

When enabled, Solstice can use a USB camera attached to the back of a Pod to detect the number of occupants in the room and collect that data. This occupancy data can be visualized in Solstice Cloud Analytics.

This feature is disabled by default.

1. In the **Room Services** section, select **Enable occupancy data**.
2. Click **Save**.
Digital Signage Template

Solstice’s digital signage feature lets you extend HTML-based signage to Solstice displays when they are not being used for wireless collaboration. The custom displays will appear when the pod is not in use. You can add signage feeds to your Solstice-enabled meeting rooms, huddle rooms, and transitional spaces without the additional cost or complexity of deploying dedicated signage hardware.

![Digital Signage Template](image)

Requirements

- Solstice Pods with Enterprise Edition Licenses
- Solstice version 3.4 or later (both Pods and Dashboard)
- Source URL content must be compatible with Android Webview.
  - As a note, Chrome browser and Android Webview are similar in many ways, but Android Webview will lack some advanced browser features and behaves best with less resource-intensive feeds.
- Test your URL in Solstice and verify that it is playing well on a single display before rolling out to other Solstice Pods and/or leaving signage enabled on the Pod.

- The following signage content sources are supported:
  - https://digitalsignage.mersive.com
  - Appspace feeds
  - Carousel Digital Signage feeds
  - Google Slides + Sites
  - Screenfeed
  - Static images such as custom web-based welcome screens

Certain individual feeds, even from these sources, may not work with Solstice. If the URL you are attempting to run is resource intensive, stability and performance can be negatively affected. However, Solstice version 4.4 and later will cache up to 1GB of content.

### Layout Options

Some signage layout modes will render the source content in an HTML IFrame. The Solstice Platform supports three layout options: Full Screen, Footer Only, and Footer + Sidebar. The digital signage source content is rendered differently depending on your layout choice.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Screen</td>
<td>Signage content is displayed in full screen mode on the Solstice display. No Solstice connection information is shown — users must know Solstice display name in order to connect.</td>
<td>Source URL is rendered as a full-screen web page.</td>
</tr>
<tr>
<td>Footer Only</td>
<td>Only the Solstice welcome screen footer that displays connection information is shown over the signage content.</td>
<td>Source URL is rendered within an IFrame, so content must be embedded in an IFrame within the website used for the source URL.</td>
</tr>
<tr>
<td>Footer + Side</td>
<td>The Solstice welcome screen footer and overlay instructions are shown on top of digital signage to provide users with full connection instructions and/or room calendar information.</td>
<td>Source URL is rendered within an IFrame, so content must be embedded in an IFrame within the website used for the source URL.</td>
</tr>
</tbody>
</table>

### How To

<table>
<thead>
<tr>
<th>Access This Page</th>
<th></th>
</tr>
</thead>
</table>
Create a New Digital Signage Template

1. Click **Create New Digital Signage Template**.
2. Enter the **Template Name**. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).
3. Click **Save**.

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

Set Digital Signage Options

1. Select the **Enable Digital Signage** checkbox. This activates the other options.
2. In the **Source URL** field, enter in the URL of the digital signage feed or source content.
3. In the **Start After** drop-down, select the amount of time you want the digital signage feed to start playing after.
4. To the right of the thumbnail preview, select the mode you want the digital signage feed to play in. The thumbnail preview will demonstrate a preview of how the digital signage feed will appear on the Solstice display.
   - **Full Screen**: Signage content is displayed full screen on the Solstice display. No Solstice connection information is shown — users must know Solstice display name or IP address in order to connect.
   - **Footer Only**: Only the Welcome Screen footer is shown over the signage content. Users that are familiar with Solstice will be able to see the Solstice display name and/or IP address in the footer in order to connect and share content (requires the source URL to be viewable within an iFrame).
   - **Footer + Overlay**: The Welcome Screen footer and overlay instructions are shown on top of digital signage to provide users with connection instructions and/or room calendar information.
5. Click **Save**.
Message Center Template

This feature allows you to add an RSS feed to a Solstice Pod's Welcome screen that will scroll across the top. You can also create and publish an emergency message that will be broadcast to all Pods it is published to.

How To

|| Access This Page
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>From the Solstic Te Cloud Home page, in the left sidebar navigation panel, click Manage &gt; Templates &gt; Message Center.</td>
</tr>
</tbody>
</table>

|| Create Message Center Template
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Click Create New Message Center Template.</td>
</tr>
</tbody>
</table>
2. Enter the Template Name. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Click **Save**.

**You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.**

---

Add an RSS Feed to the Welcome Screen

1. To add a new RSS feed, click the **Add an RSS Feed** button. A new row appears.
2. Enter in the **Name** of the RSS feed.
3. Set the **Duration** the RSS feed will display before displaying the next feed or custom message.
4. Enter in the **Source RSS URL**. The URL must point to a valid XML file with a root element type of `<rss>`.
5. To have a custom message display in the top banner, toggle the slide switch to enabled (it will be green when enabled), and enter your message in the Custom Message field.
6. Click **Save**.
7. To disable any of the RSS feeds or the custom message, toggle the **Enabled** option off. The toggle will slide to the left and turn grey to indicate it has been disabled.
8. To delete any of the RSS feeds, click the **Delete** icon located to the right of the Source field.

---

Publish an Emergency Message

In the event of an emergency, Solstice can push an emergency message to Solstice displays that will appear across the top as an emergency banner. To publish an emergency message, you will first create a message as part of a template, and then assign that template to the pods you want to receive the emergency message.

1. Open an existing template or create a new template, then select the **Enable Emergency Message** checkbox.
2. In the field below, enter in the text of the emergency message.
3. Click **Save**. If this template is already applied to Pods, it will be immediately broadcast to those Solstice displays.
4. Close the template, then click **Assign Pods** OR go to **Manage > All Pods**.
5. Select the Pods you want to publish the emergency message to, then click the drop-down in the Message Center column and select your template. The emergency message is immediately broadcast to those Solstice displays, and overrides any content shared on those displays.

6. To disable the emergency message, you can either unassign the emergency message template, or you can deselect the Enable Emergency Message checkbox within the assigned message template.
Ethernet Template

Solstice is designed to leverage existing Ethernet networks to support collaboration in meeting rooms and learning spaces. These advanced network settings allow you to configure Solstice to meet the requirements of your IT security policy and network topology.

The Solstice Pod supports secure access to two independent network interfaces. Each is configured independently and uses its own routing table, supporting secure simultaneous access to the Pod from two segmented networks (for example, from a corporate and a guest network). When this dual-network configuration is chosen, the Firewall feature should be enabled.

The Ethernet template allows you to customize settings for Ethernet, 802.1x, and VLAN options and batch apply the settings across your deployment.

How To

Access This Page
1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > Ethernet.

---

Create New Ethernet Template

1. Click Create New Ethernet Template.
2. Enter the Template Name. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).
3. Click Save.

![Tip]
You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose Duplicate Template.

---

Edit Ethernet Options

1. To activate the options, select the Enable Ethernet checkbox.
2. Change the Network Name to the one that users will see in the list of available networks on their device.
3. If you wish to use DNS resolution and have added a DNS entry in your DNS server that resolves to the Pod's IP address, you can enter the DNS entry (for example, hostname.domain) in the DNS Hostname field. This field will be editable after this template is applied to a Pod. This will display the DNS hostname on the Pod's welcome screen instead of its IP address, which allows users to type the hostname into a browser to easily download the Solstice app.

![Note]
Note that the DNS Hostname is unique to each Pod, and can be added only after this template is applied to a Pod. You will need to enter this information for each Pod this template is applied to.

4. If you wish to allow admin access to make configuration changes on this network, select the Allow administrative configuration access checkbox.
5. Select either DHCP for the Pod to be dynamically assigned an IP address, or select Static IP to enter your network configuration manually.
6. If you selected Static IP, enter the Gateway, Network Prefix Length and DNS 1 fields. Because it is unique to each Pod, you will enter the IP Address after this template is applied to a Pod.
Note that the IP Address is unique to each Pod, and can be added only after this template is applied to a Pod. You will need to enter this information for each Pod this template is applied to.

7. Click **Save**.

### Enable 802.1x Authentication

You must ensure that the Pod has access to a timeserver so that it can validate the certificate.

1. Select the **Enable 802.1x** checkbox to see options appear.
2. Select the **EAP Method**: PEAP, TLS, or TTLS
   a. For PEAP or TTLS methods:
      - From the **Phase 2 Authentication** drop-down, select one of the phase 2 authentication types: None, MSCHAPV2, or GTC.
      - Click the **Replace CA Certificate** button, then browse to and select the certificate.
   b. For the TLS method:
      - Click the **Replace CA Certificate** button, then browse to and select the certificate.
      - Click the **Replace User Certificate** button, then browse to and select the certificate.

3. If required, enter the **Username** and **Password**.
4. Click **Save**.

### Connect a Pod to a VLAN

In addition to handling the usual untagged Ethernet traffic on the default VLAN for the connected switch port, Solstice Pods can communicate using tagged traffic over the wired Ethernet interface on up to three additional VLANS.
A default VLAN for the physical switch port must be configured within the switch port’s settings. This default VLAN should be configured as the primary Ethernet network in the Dashboard.

1. Click the checkbox **Enable VLAN 1**. This activates other fields.
2. In the **Network Name** field, enter the name of the network that users will see.
3. In the **Tag** field, enter the VLAN ID number.
4. If you wish to use Domain Name System (DNS) resolution and have added a DNS entry in your DNS server to resolve to the Pod’s IP address, you will be able to enter in the **DNS Hostname** (for example, hostname.domain) after this template is assigned to a Pod. The DNS Hostname for that Pod will show on the display’s welcome screen instead of an IP address.

   Note that the DNS Hostname is unique to each Pod, and can be added only after this template is applied to a Pod. You will need to enter this information for each Pod that uses this template.

5. If you wish to allow administrative access on this VLAN, select the **Allow admin configuration access** checkbox.
6. Select either **DHCP** for the Pod to be dynamically assigned an IP address, or select **Static IP** to enter your network configuration manually.
7. If you selected Static IP, enter appropriate information in the **Gateway**, **Network Prefix Length**, and **DNS 1** fields.

   Note that the IP Address is unique to each Pod, and can be added only after this template is applied to a Pod. You will need to enter this information for each Pod that uses this template.

8. If attaching the Pod to additional VLANs, select the **Enabled** checkbox beside **VLAN 2** or **VLAN 3**, then repeat steps 2 through 7.
9. If using SDS, go to Manage > Templates > **Discovery** on the left sidebar and enter in the **SDS Host** IP address for each SDS server instance. For more information on SDS, see [Discovery Templates](#).
One SDS server instance is required per VLAN using SDS version 3.1 or later. The order of the SDS Host IP addresses entered does not matter.

10. Click **Save**.
Proxy Template

The Proxy template provides a method to configure Solstice displays deployed behind a secure web proxy to reach the licensing and over-the-air (OTA) update servers. Options to enable the web proxy for both http and https traffic are available.

How To

<table>
<thead>
<tr>
<th>Access This Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click <strong>Manage &gt; Templates &gt; Proxy</strong>.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Create New Proxy Template</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click <strong>Create New Proxy Template</strong>.</td>
</tr>
</tbody>
</table>
2. Enter the Template Name. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Click **Save**.

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

---

**Edit Proxy Settings (HTTP or HTTPS)**

1. Select the **Enable web proxy for HTTP or HTTPS traffic** checkbox.

2. In the **Proxy IP Address** field, enter the proxy server IP address.

3. In the **Proxy Port** field, enter in the network port required to connect with your proxy server.

4. In the **Login Name** and **Password** fields, enter in login credentials for your proxy server.

5. If you wish to manually configure an exclusion list for the proxy server, enter in the IP addresses you wish to bypass the proxy server into the **Exclusion List** field. Multiple IP addresses can be added using semi-colons to separate the entries.

6. If you need addresses on the same subnet as the Pod to bypass the proxy server, select the **Don't use proxy for local addresses on same subnet** checkbox.
WiFi Settings Template

Solstice is designed to leverage existing WiFi networks to support wireless collaboration in meeting rooms and learning spaces. The Solstice Pod supports secure access to two independent network interfaces: one for attaching the Pod to a network via Ethernet, and one to attach to a wireless network. Mersive recommends attaching the Pod to your main enterprise network via Ethernet for best performance, while the secondary wireless network can be utilized for guest access or a backup network.

This template is used to configure the wireless network. Within this template, there are two wireless options, but only one can be applied:

- **WAP (Wireless Access Point):** When in WAP mode, the Pod acts as a wireless access point, creating a local network on the Pod with no internet access that users can discover in their list of available networks, allowing them to connect directly to the Pod without needing an external network. Pods are shipped with WAP enabled by default for easy initial configuration. However, for performance reasons, Mersive highly recommends disabling WAP mode. This can be done by disabling WiFi altogether, or by applying the Existing Network option.

- **Existing Network:** This option connects the Pod to an existing network wirelessly. This is best utilized when there is no Ethernet jack in the room, or if you wish to connect a secondary guest network. If enabling WiFi, using the Existing Network option is strongly recommended.
How To

Access This Page

1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > WiFi.

Create New WiFi Template

1. Click Create New WiFi Template.
2. Enter the Template Name. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).
3. Click Save.

Edit WiFi Options
1. To connect the Pod to a wireless network, select the **Enable WiFi** checkbox.

2. If you wish to allow admin access to make configuration changes on this network, select the **Allow admin configuration access** checkbox.

3. Select one of the following radio buttons:
   - **WAP**: The Pod will act as a wireless access point. Proceed to step 4.
   - **Existing network**: This option connects the Pod to an existing network wirelessly. Proceed to step 5.

4. If you selected **WAP**:
   a. In the **SSID** field, enter in an easily identifiable name for the network. For example, you could name it the same as the Pod so that users can easily find it.
   b. If you wish, you can select the **Hide SSID** checkbox. This prevents the network name from being displayed in a device’s list of available networks.
   c. Under **Security** select one of the following options:
      - **Open**: The WAP network will be open with no password protections to connect.
      - **WPA2**: Allows you to secure the network by creating a network password. When selected, a field to enter the **WPA2 Password** will appear.
   d. Under **Frequency**, select either the 2.4 GHz or 5GHz wireless band.
   e. Next select the wireless channel for the WAP network from the **Channel** drop-down.
   f. The DNS Hostname is unique to each Pod. You will be able to enter this information after applying this template to a Pod.

   ![Note](Note) **Note that the DNS Hostname is unique to each Pod, and can be added only after this template is applied to a Pod. You will need to enter this information for each Pod that uses this template.**

   g. Click **Save**. Skip the following steps.

5. If you selected **Existing Network**:
   a. Enter the network name in the **SSID** field.
   b. In the **Security Type** drop-down, choose the appropriate option: **Open**, **WEP**, **WPA/WPA2**, or **802.1x EAP**.
If you chose 802.1x EAP, see the Enable 802.1x Authentication how-to below for more information on this configuration.

c. If prompted, enter the **Password** for this network.

6. Select either **DHCP** for the Pod to be dynamically assigned an IP address, or select **Static IP** to enter your network configuration manually.

7. If you selected Static IP, enter the **Gateway**, **Network Prefix Length** and **DNS 1** fields.

Note that the IP Address and DNS Hostname are unique to each Pod and need to be configured for every Pod. Once this template is applied to your Pods, you will be prompted to enter this information for the each Pod the template is applied to.

8. Click **Save**.

---

**Enable 802.1x Authentication**

- You must ensure that the Pod has access to a timeserver so that it can validate the certificate.

1. Select the **Enable 802.1x** checkbox to see options appear.

2. Select the **EAP Method**: PEAP, TLS, or TTLS

   a. For PEAP or TTLS methods:
      - From the **Phase 2 Authentication** drop-down, select one of the phase 2 authentication types: None, MSCHAPV2, or GTC.
      - Click the **Replace CA Certificate** button, then browse to and select the certificate.

   b. For the TLS method:
      - Click the **Replace CA Certificate** button, then browse to and select the certificate.
      - Click the **Replace User Certificate** button, then browse to and select the certificate.

---

Supported certificate file types are .cer, .der, .pem, .crt, .pfx, and .p12.
3. If required, enter the **Username** and **Password**.

4. Click **Save**.
**Discovery Template**

Display discovery refers to the ability for a user to "discover" what Solstice displays are available to connect to. A user may always connect to a Pod by typing the Pod’s IP address into the Solstice App. However, Solstice discovery can streamline the connection process by listing all Pods available for connection and enabling users to simply click a Pod’s name to connect. This template allows you to configure the settings for two discovery methods that will enable this click-to-connect functionality: broadcast discovery or Solstice Discovery Service (SDS).

The Solstice Discovery Service (SDS) is an IT-friendly, non-broadcast mechanism that allows users to discover and click-to-connect to Solstice displays from their own devices to start sharing content. SDS makes connecting to a Solstice display fast and easy for users, especially those on networks that don't allow broadcast traffic. For more information on how to implement and configure SDS, see our 'Solstice Discovery Service (SDS) Guide'.

---

**How To**

- Access This Page
1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > Discovery.

Create New Discovery Template

1. Click Create New Discovery Template.
2. Enter the Template Name. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).
3. Click Save.

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose Duplicate Template.

Enable/Disable Broadcast Discovery

Broadcast discovery is only recommended for single network configurations that do not use a switch and that allow UDP broadcast traffic. If you do not wish for Solstice to utilize broadcast discovery, you can disable it in the Discovery template. However, Mersive strongly recommends utilizing Solstice Discovery Service (SDS) if broadcast discovery is disabled, to ensure that users will be able to find and connect to Solstice displays.

1. Enable or disable the Broadcast display name on network option.
2. Click Save.

Set the SDS Information to List the Display on SDS

1. First, you will need to find the static IP address of the SDS host machine. To find this, open a Command Prompt window on the Windows host machine or Windows server that SDS is installed on. Type ipconfig then hit your Enter key. The IP address is listed in the results that appear.
2. In your Solstice Cloud Discovery template, select the List display to SDS option.
3. In the SDS Host field, enter the IP address of the SDS host machine.
4. Click Save.

If you have multiple instances of SDS, repeat the steps above for each instance.
Security Template

The Pod is a network-attached device that provides straightforward and secure wireless access to existing display infrastructure by leveraging a host IT network. By configuring your Solstice Pods according to these guidelines, users will be able to quickly connect and share content to the displays in Pod-enabled rooms while still maintaining network security standards. Pods that are not configured properly can be vulnerable to user and network security breaches, including unauthorized user access, screen capture and recording, unauthorized changes to configuration settings, and denial-of-service attacks.

How To

Access This Page

1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > Security.
Create New Security Template

1. Click **Create New Security Template**.
2. Enter the **Template Name**. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).
3. Click **Save**.

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

Password Protect Configurations

To protect Pod configurations, you can set an admin password that will be required in order to make any configuration changes. Once an admin password is set, you will be required to enter the password to change any configuration settings. This password will also be required to retrieve usage logs from your Pod or to perform a factory reset.

1. In the **Admin Password** field, enter in the password you wish to use to be able to change the Solstice display’s configuration, or remove the password entirely.

   It is highly recommended that you set the same administrator password for all of your Pods.

2. If you wish to enforce password validation rules (8-character minimum, one uppercase and one lowercase character, one number or special character), select the **Enforce password validation rules** option.
3. Click **Save**.

Enable/Disable Local Configurations

If you have chosen not to set an admin password to protect Pod configurations, you can still prevent users from making changes by disabling the ability for local configuration (in room using keyboard or mouse) or from a web browser. However, disabling both of these options means that you will only be able to configure the Pod using Solstice Cloud which requires network connectivity.

1. To enable in-room configuration, select the **Allow Local Configuration** checkbox. To disable it, deselect the checkbox.
2. To enable configuration from a web browser, select the **Allow configuration from web browser** checkbox. To disable it, deselect the checkbox.
3. Click **Save**.
Serve Solstice Client/App via Port 443

This setting should only be used on insecure networks where users may be subject to man-in-the-middle redirects. Selecting this option adds additional clicks for the user to get started.

1. On the Manage Security Templates page, select the **Always serve the Solstice client via port 443** option.
2. Click **Save**.

Enable Network Encryption

This setting allows for Solstice network traffic between the Pod and user devices to be encrypted using a standard RSA/SHA cipher with a 2048-bit private key. This also includes network traffic related to configuration via either the Solstice Dashboard or the Pod's web-based configuration (if enabled). When this option is enabled, the Solstice Dashboard will also send SLR updates via port 443.

By default, the Pod is loaded with a self-signed TLS certificate that is used when the Pod receives TLS connections. However, there is an option to upload a custom TLS certificate to be used instead. As a note, when the encryption option is disabled, the Pod will still use the TLS certificate for HTTPS traffic.

1. To turn on network encryption, select the **Enable encryption for Solstice traffic** checkbox.
2. If you wish to upload a custom TLS certificate to be used instead of the Pod's default self-signed certificate, click the **Upload Certificate** button, then browse to and select the certificate file.
3. Click **Save**.

Load Custom CA Certificate Bundle for HTTPS Communications

Load a self-signed CA certificate bundle onto one or more Pods to be used for HTTPS communications and to validate the Pod's access to external data connections such as digital signage feeds, RSS feeds, and Solstice Cloud. This is especially important for networks that utilize a MITM proxy that intercepts HTTPS requests. The bundle is used in addition to the Pod’s built-in CA certificates, which are suitable for most internet access.

Only a PEM certificate with a .crt file extension is supported.

1. In the Dashboard, select the Pods from the list of Your Solstice Instances.
2. Select the **Use custom CA cert bundle for https** checkbox.
3. Click **Upload custom CA cert bundle**.
4. In the file explorer that opens, browse and select the CA certificate bundle, then click **Open**.

5. Click **Save**.
Time/Locale Template

The Time/Locale Template page allows you to set various system preferences for your Solstice display, including timezone and language settings.

How To

Access This Page

1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage > Templates > Time/Locale.

Create a New Digital Signage Template

1. Click Create New Digital Signage Template.
2. Enter the **Template Name**. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Click **Save**.

---

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

---

### Set the Pod's Date and Time Automatically

1. To set the date and time using a time server, Enable the **Set date/time automatically** checkbox and enter the time server URL in the corresponding field (the default timeserver URL is pool.ntp.org).

2. If you want the time to display in 24 hour format (4:00 pm is displayed as 16:00), select the **24 hour format** checkbox.

3. From the **Timezone** drop-down, select the timezone the Pod is in (for example, Eastern Time).

4. From the **Language** drop-down, select the language you would like to display on the Pod.
Advanced Template

The Advanced Template gives you the ability to configure advanced settings, such as implement quality of service to help prioritize Solstice traffic on your enterprise network, or to schedule daily restarts to optimize performance.

How To

<table>
<thead>
<tr>
<th>Access This Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Manage &gt; Templates &gt; Advanced.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Create New Ethernet Template</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Click Create New Advanced Template.</td>
</tr>
</tbody>
</table>
2. Enter the Template Name. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Click **Save**.

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

---

**Enable Gateway Check**

When this setting is enabled, it allows the Pod to restart networking every ten minutes. If port 7 is disabled on your network, you will need to disable the gateway check.

1. Select the **Enable Gateway Check** checkbox.

2. Click **Save**.

---

**Implement Quality of Service (QoS)**

For enterprise networks that support differentiated network traffic via QoS, packet headers can be enabled to allow Solstice traffic to be differentiated and prioritized on the enterprise network by utilizing the IETF-defined quality of service (QoS) header information.

1. Select the **Implement QoS for Solstice Traffic** checkbox.

2. In the corresponding fields that appear below, enter the 6-digit QoS video and audio stream DSCP strings.

3. Click **Save**.

---

**Schedule Daily Restart**

Enable and schedule daily Pod software restarts to refresh the Pod’s memory usage and maximize system performance.

1. Select the **Daily Restart Needed** checkbox.

2. In the **Daily Restart Time** field, enter in the time you would like the Pods to restart each day.

3. Click **Save**.
Power Management Template

Power management templates allow you to schedule when a Pod’s display monitor will turn off after being idle for the specified amount of time. Solstice can do this using one of two methods: suspending the HDMI signal being sent to the display, which allows the display monitors to use their own sleep settings, or by sending an RS-232 command to the display to turn off. The display will turn back on if any activity occurs. Power Management options are available for Gen2i and Gen3 Pods.

How To

Access This Page

1. From the Solstice Cloud Home page, in the left sidebar navigation panel, click Templates > Power Management.

Create a New Power Management Template
1. Click **Create New Power Management Template**.

2. Enter the **Template Name**. For example, you could name the template by location (London Office) or descriptively (Mountain Theme).

3. Click **Save**.

You can also start by duplicating an existing template and making changes to it. Click on the three dots on the right side of the template you want to start with, and choose **Duplicate Template**.

### Schedule Display Power Management

1. To activate options, select the **Display Power Management** checkbox.

   Notice that there are separate setting for weekdays and weekends, although the same options are available for each. For either weekdays or weekends, use the following steps 1 and 2.

2. From the **Suspend After Inactive** drop-down, select the amount of time the Pod will be idle before the display is suspended. For example, you can select "10 Minutes" for the Pod to be suspended after 10 minutes of inactivity.

3. Select the hours during which this display power management setting will be active:
   
   a. For this setting to be active all day, select the **All Day** checkbox. Mersive highly recommends only using this option on weekends.

   b. For this setting to only be active during certain hours, deselect the **All Day** checkbox and enter in a **Start Time** and **End Time**. As a note, these fields use a 24-hour clock. Mersive highly recommends only scheduling during hours where no collaboration sessions will occur. For example, a corporate office could enter in a Start Time of 19:00 (7:00 pm) and an End Time of 06:00 (6:00 am).

4. From the **Choose Suspend Method** options, select the method you wish to use to signal display monitors to turn off:
   
   - **Suspend HDMI Signal** - The Solstice Pod will suspend the HDMI out signal, allowing the display monitors to use their own sleep settings.

   - **RS-232** - The Solstice Pod will send the RS-232 commands you enter to the display monitor to turn it on and off.
5. If the RS-232 option was selected, enter in the RS-232 codes to turn your display monitor on and off in the corresponding fields that appear below. Solstice will use them to turn the display on or off. ASCII and HEX codes are both supported.

 Administrators will need to know the specific RS-232 code for the control they are trying to pass. For details on those controls, please consult the user manual for the display.

6. Click Save.
Monitor Your Deployment

By monitoring your deployment, Solstice Cloud can alert you to any technical issues so they can be resolved before impacting meeting productivity. To help keep track of the status of large deployments, Solstice Cloud gives you a way to quickly identify which Pods have become offline so that any issues can be resolved. Email alert configurations allow you to set up email alerts that are triggered by events such as when a display is unreachable, or when a display is rebooted. These alerts allow you to passively keep tabs on your deployment to resolve issues before they impact your meetings.

Solstice Cloud also allows you to quickly see which Pods in your deployment have an expired Solstice Subscription, and gives you the option to request subscription renewal within the portal to streamline the process.

How To

Quickly View Unavailable Pods

1. In the left sidebar menu of the Solstice Cloud portal, go to Deployment > Availability.
2. In the Availability table, click the Status column header to sort the Pods by status. A red dot indicates the display is offline.
3. View the **Uptime/Downtime** column to see how long the display has been down for.

### Renew Your Solstic Subscription

1. In the left sidebar menu of the Solstice Cloud portal, go to **Deployment > Config**.
2. In the Solstice Subscription section, click **Renew Now**.
3. Click **Get Started**.
4. Select the Pods you wish to add to the subscription renewal quote, then click **Next**.
5. Select the date you wish to extend the subscription to, then click **Next**.
6. Enter your contact information into the form that appears, then click **Next**.
7. To view the details of your subscription renewal quote request, click the **Details** drop-down.
8. To submit the request, click **Request a Quote**. A Mersive representative will be in contact with you shortly regarding your request.
9. Click **Back**.

### Configure Automated Email Alerts

The Solstice Cloud portal allows you to configure automated email alerts if certain events occur, such as a Pod going offline. These alerts can be set to match the needs of your deployment and allow you to quickly detect and resolve issues.

You can set up email alerts to go to certain email addresses by assigning specific Pods to a category and then configuring email alerts for that category. For example, you could assign all the Pods at your Seattle headquarters to a category option for that location. Then, you could configure an email alert to be sent to your IT administrator based in that office if there are technical issues with any of those Pods.

1. In the left sidebar menu of the Solstice Cloud portal, go to **Deployment > Alerts**.
2. Under Alert Configuration, toggle the email alerts you wish to receive to enabled. The toggle switch will turn blue.
3. To only receive email alerts for a select group of displays:
   a. Click **filter 🔴** next to the corresponding email alert. A list of categories you have created appear as drop-downs.
   b. Select the groups of displays you wish to be alerted for.
   c. To remove alert selected display filters, click the remove icon next to the filter option, or click **remove all**.
View Your Deployment’s Usage Analytics

1. In the left sidebar menu of the Solstice Cloud portal, go to **Analytics > Usage**. The Usage History graph displays.

2. The data shown is determined by what displays are selected in the Displays table below the graph. You can select or deselect displays manually or filter them by their assigned categories. Only the data for the displays selected will appear in the graph.

3. To change the graph view, you can select to view the data in Hours, Days, Weeks, or Months in the top left-hand corner of the graph. You can also select whether to view data from the last 48 hours, week, month, quarter, or a customer date range in the top right-hand corner of the graph.

4. To change the data shown in the graph, click one of the drop-downs in the bottom left-hand corner of the graph and select an option from the list that appears. For example, you can select to view the number of posts.

5. The second drop-down allows you to select another data column to compare the first column to. For example, you can select to view total users. In this example, this will give you a side-by-side comparison of how the total amount of posts relates to the total amount of users at a given time.
Schedule Software Updates Using Solstice Cloud

For Mersive customers with large deployments, Solstice Cloud makes Solstice Pod software updates faster, easier, and less disruptive by allowing admins to schedule over-the-air updates during off hours. Solstice Cloud streamlines the update process by allowing targeted updates based on categories, auto-retry after network interruptions, and email reports confirming completion. Along with the ability to schedule updates, administrators can choose to start a software update immediately as well.

One of the advantages of Solstice Cloud is the ability to assign Pods to categories. Assigning your Pods to categories allows administrators to easily identify and select which Pods they may want to batch update. For example, an administrator can schedule Pods at their London office to update at a different date and time than their New York office. Please note that scheduled updates will begin according to each Pod's local time.

For software updates to work, Pods must have active Solstice Subscription. You also may need to make a firewall exception for https://www.mersive.com so Pods can access Mersive’s upgrade server to retrieve the upgrade file.

For updates that are scheduled in advance, you can opt-in to be notified via email when the update is completed. Scheduled updates can be edited or deleted up until the point that the upgrade process begins. Once an update is in progress, it cannot be paused or canceled. If an error occurs with a Pod update, Solstice Cloud will flag the update task with a warning. If internet connectivity is interrupted during the update process, Solstice Cloud will retry and resume the update where it left off.

How To

Update Pods' Software Version Now

1. In the left sidebar menu of the Solstice Cloud portal, go to Manage > Updates.
2. Select the Pods you want to be upgraded.

If you don't see a Pod in the list, it may already be a part of a scheduled task.

3. Click Update Pods.
4. In the pop-up that appears, use the drop-down to select which software version you would like to update the Pod to.
5. Click **Update Now**. A pop-up appears warning you that once that update process begins, it cannot be canceled.

6. To proceed with the update, click **Update Now**. You are returned to the Tasks tab where you can view the progress of the update.

### Schedule Pods to Update Later

1. In the left sidebar menu of the Solstice Cloud portal, go to **Manage > Updates**.
2. Select the Pods you want to be upgraded.

   ![Info icon] If you don’t see a Pod in the list, it may already be a part of a scheduled task.

3. Click **Update Pods**.
4. In the pop-up that appears, use the drop-down to select which software version you would like to update the Pod to.
5. Click **Schedule for Later**.
6. Select the date and time you wish to schedule the Pods to update.

   ![Info icon] The update will occur based on the local time set in the Pod’s system settings.

7. If you wish to, you can select the option to get an email notification when the update is complete.
8. Click **Schedule**. The Pod software update is now scheduled.
9. To view, edit, or delete your scheduled updates, click on the **Tasks** tab.

### View In Progress and Scheduled Tasks

1. In the left sidebar menu of the Solstice Cloud portal, go to **Manage > Updates**.
2. In the Solstice Software Updates Overview section, go to the **Tasks** tab.

3. On this tab, you can view all in progress and scheduled software updates. Scheduled updates can be edited up until the update begins. Once an update is in progress, it cannot be paused or canceled.

## Edit a Scheduled Update

You can edit or delete a scheduled task up until the point that the update process starts. Currently, you cannot add or remove Pods from a scheduled update. If you need to change which Pods are a part of a scheduled update, you will need to delete the scheduled task and reschedule it with the correct Pods.

1. In the left sidebar menu of the Solstice Cloud portal, go to **Manage > Updates**.
2. In the Solstice Software Updates Overview section, go to the Tasks tab.
3. You can view the Pods being updated in that scheduled task by clicking the down arrow to the right of the task.
4. Next to the scheduled task, click **Edit**.
5. In the fields that appear, you can adjust the date and time for the scheduled update.
6. Click **Save**.
7. To delete the scheduled update, click the [Delete](#) icon, then click **Delete** in the pop-up that appears. A notification that your task was deleted momentarily appears.

## View Update History
1. In the left sidebar menu of the Solstice Cloud portal, go to **Manage > Updates**.

2. In the Solstice Software Updates Overview section, go to the **History** tab.

3. On this tab, you can view the history of completed update tasks. Click on an item row to view the details of the software update.

4. If an error occurred during the software update, a warning icon 🚨 will appear next to the completed task. If a Pod’s software update failed, the Pod will appear back in the Updates tab as ready to update. You can then choose to update that Pod, or reschedule it to update at a later time.
Roles and Permissions

Solstice Cloud provides the ability to assign a role to each user account to determine the level of access and permissions each admin or user has, including permissions to make changes to Pod settings. You will only be able to add or edit user accounts that are at or below the level of permission your own account has. The following roles and permissions are available to assign to users in your organization.

- **Super Admin**: Can perform all tasks and make changes to all Pods. This is best used for administrators that manage the entire Pod deployment.

- **Admin**: Can perform all tasks and make changes to Pods, but access can be restricted to certain groups of Pods. This is best used for local administrators responsible for managing Pods at certain locations.

- **Viewer**: Can view analytics or monitor the deployment but cannot delete or make changes to Pods. Access can also be restricted to certain groups of Pods.

- **Active Learning Designer**: Can use the Solstice Active Learning app to virtually design and set up the active learning rooms. Designers are also able to conduct active learning sessions and route video and content in the active learning room.

- **Active Learning Facilitator**: Can use the Active Learning app to conduct active learning sessions and route video and content in the active learning room.
How To

Invite Users and Assign User Roles

1. In the Solstice Cloud portal, click the User icon in the top-right corner, then click Account.
2. In the **Invite someone to Solstice Cloud** field, enter in the email address of the user you would like to invite to access your organization's Solstice Cloud account.
3. From the **Choose a Role** drop-down, select the role and corresponding permissions you would like to apply to the user. As a note, a user's role can be changed later.
4. Click **Send Invite**. Solstice Cloud will then send an email invite with a link to create an account to the email address provided.

Edit a User's Role

1. Log into your Solstice Cloud account.
2. Click the User icon in the top-right corner, then click Account.
3. In the **Edit** column of the Current Solstice Cloud Users table, click the vertical ellipsis icon.
4. Click **Role**, then select the new role you would like to apply to the user account. The role change is automatically saved.

Delete User Account

1. Log into your Solstice Cloud account.
2. Click the User icon in the top-right corner, then click Account.
3. In the **Edit** column of the Current Solstice Cloud Users table, click the vertical ellipsis icon.
4. Click **Delete User**. A prompt appears to confirm you want to delete the account.
5. Click **Delete**. The user account is deleted.