

# Intel Unite® Solution

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4.1 PV – Build 4.1.381.43

ReadMe File

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# Intel Unite® Solution – 4.1 PV

## Release Details

### Contents

The following components are contained in this release:

- Enterprise Server Installer (Includes PIN server, Admin Portal)
- Client Installer
- Hub Installer
- Virtual Extended Display Driver Installer
- File Transfer Plugin
- Application Launcher Plugin
- Live Background Module

### Updated Requirements

This release introduces important new requirements. Please review these new requirements carefully and ensure your deployment is up to date.

#### .NET Framework 4.8

The Windows client, hub, and server components have been updated and now require .NET Framework 4.8 or later.

For new installations, the installer will verify the new requirement prior to installation. However, updating the client and hub packages (manifests) through the admin portal (over the air updates) will not verify this dependency. If you rely on this method and the hub or client doesn't have the .NET Framework 4.8 or later, the app will fail to launch.

It is recommended that you update the client and hub installation in addition to relying on updating the core packages through the admin portal.

For more information about updating through the admin portal, refer to the **Upload the Hub and Client Package Files to the Admin Portal** section of the **Deployment Guide**.

#### 64-bit Hub

The hub component has been updated and will only run on 64-bit operating systems.

#### 32-bit and 64-bit Client

The 32-bit and 64-bit versions of the installers and packages (manifests) for the Windows client app have been separated into different packages. It is strongly recommended that you update to the 64-bit version as the 32-bit version of the client will eventually reach end-of-life.

## Plugins

Due to the updated .NET framework and 64-bit requirement on the hub, some 3<sup>rd</sup> party plugins may not be compatible at the time of this release. We are working with the impacted 3<sup>rd</sup> party developers and anticipate updated versions within four weeks of this release.

3<sup>rd</sup> party plugins developers should re-compile plugins for 64-bit and use .NET framework 4.8 to ensure continued functionality.

## Release Notes

### Enhanced Moderation for Screen Preview

This feature is a moderation enhancement which provides the ability for moderators to preview a participant's screen and invite them to start presenting.

To enable this feature, Strict Moderation must be configured for the hub. In addition, a new setting, **Moderator Mode – Screen Preview**, must also be enabled for the hub and client:

These settings are available in the Admin Portal after the hub and client packages (manifests) have been uploaded.

#### Hub:

Moderator Mode ⓘ	0
Moderator Mode – Screen Preview ⓘ	0
Network Port ⓘ	0

0 = No Preview, 1 = Preview in Strict Moderation. Refer to the documentation for full descriptions.  
Property Type: *Integer*

#### Client:

Enable Client Screen Preview ⓘ	False
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For instructions on configuring these items, please refer to the **Deployment Guide**.

## Locked Session Reset

This new setting allows an IT administrator to disable the default behavior of allowing a participant with a valid pin to reset a locked session.

Note: If a participant accidentally remains connected to a locked session and this property is set to **false** for the hub profile, it will not be possible to connect to the hub.

## WebRTC UDP port configuration

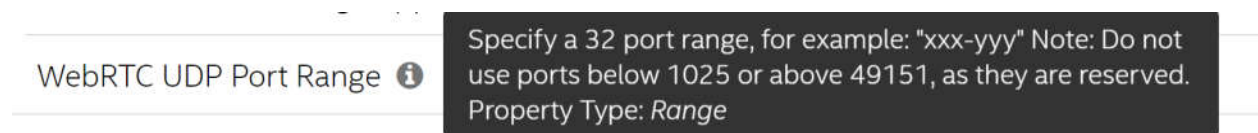
This feature allows IT administrators to set the UDP port range for the WebRTC A/V libraries.

To configure this property:

Note: Ensure you have already updated the Hub package to this version.

- In the admin portal select the group / configuration with this version of the hub package (manifest)
- Click **Go to Details** then **Edit properties**
- Set the range of available ports.

Note: Only use ports 1025-49151, as ports 0-1024 are reserved by the OS and 49152-65535 are for dynamic port use. The minimum and maximum values must be entered as numbers separated by a hyphen.



## Intel Unite® Plugin for Live Background

The Intel Unite® Plugin for Live Background enables IT administrators to set a custom background for their organization's hub by setting the Uniform Resource Locator (URL) / path to a modifiable Hypertext Markup Language (HTML) file or a web page.

Please refer to the Intel Unite® Plugin for Live Background User Guide for more details.

## Admin Portal Properties Migration

When updating a configuration to use a different version of the hub or client, the admin portal will now prompt you to migrate the properties (settings) as well.

When a different version is selected, a dialogue will guide you through migrating the properties for the new version:

### Overridden Properties Found

Assigning this configuration will result in the following:

The following properties will be migrated:

- ✓ My Group : Intel Unite® Solution Hub4.0.4173.300 - PIN Color
- ✓ My Group : Intel Unite® Solution Hub4.0.4173.300 - PIN Transparency
- ✓ My Group : Screen Sharing Module (Hub) - Audio Video Streaming Support
- ✓ My Group : Intel Unite® Solution Hub4.0.4173.300 - Background Instructions Title

The following properties will be deleted:

- ✗ My Group : Screen Sharing Module (Hub) - WebRTC UDP Port Range

Proceed

Cancel

### WebRTC Update

The A/V sharing libraries were update to version 74, which contains several enhancements.

### Windows Defender Rule for Hub

To ease the setup of the hub application, the installer will automatically create the Windows Defender Firewall rule. The installer will automatically add Intel Unite Hub.exe to allowed applications:

Windows Defender Firewall with	Inbound Rules	
	Inbound Rules	
	Outbound Rules	
	Connection Security Rules	
	Name	Program
	✓ Intel Unite 4.1	C:\ProgramData\Intel\Intel Unite\Hub\current\Intel Unite Hub.exe

### SDK changes

The **Intel.Unite.Common** library was upgraded to version 4.1.5.39. This version contains fixes for IntelUnite.js library that is used by the HTML plugins. It also contains a new SensorManager class exposed in the RuntimeContext that plugin developers can use to add and/or consume sensor's related data. More information can be found in the Intel Unite® Software Developer Kit.

## macOS Catalina

The Intel Unite® app for macOS has been updated to support the full A/V (WebRTC) experience on macOS Catalina.

## Hub Status

When viewing the hub list in the admin portal, two new columns were added to show the status and the last check-in. This will allow IT administrators to quickly get status information for a hub.

Intel / **Hub 5668** /

<input type="checkbox"/> Device Name ⚙	Status ▲	Last Check-In Time
<input type="checkbox"/> JOSUEB2X-MOBL1.AMR.CORP...	Disabled	10/2/2019, 9:04:20 AM

## Auto-discovery changes in Windows Client and Hub

A checkbox was added to enable/disable the use of DNS TXT Record for auto discovery (Automatic).

The screenshot shows the 'Settings' window with the 'Configuration' tab selected. The background is blue. At the top, there are two tabs: 'Profile' (dark blue) and 'Configuration' (white with blue border). Below the tabs, there are several settings:

- Enterprise Server:** A checkbox labeled 'Automatic' is checked. Below it is the URL: `https://zpn-devcloud-03.amr.corp.intel.com/IntelUnite/api/1.0`
- Org ID:** The value is `23000100-30a9-4f8a-9122-510b3f1b2d4c`
- Organization Name:** The value is `devcloud03`
- Collect and send anonymous usage data:** A checkbox is checked.
- Enable debug log:** A checkbox is unchecked.

At the bottom, there is a 'Clear User Token' button and two buttons: 'Restore to Defaults' and 'Save Settings'.





Also, a new MSI parameter was added to set the registry key for DisableAutoDiscovery. Refer to the Deployment guide for more information.

## New automatic provision URL section in Admin Portal

A new section was added in the Provision device page in the admin portal to help IT admins generate the correct value to add to the DNS TXT record when setting up infrastructure for autodiscovery.

Manual

Automatic

Copy  or email  the following URL to configure the DNS Text record.

SERVICEURL=https://zpn-utrng-11.amr.corp.intel.com/IntelUnite/api|orgId=B83309B0-9454-4065-A5A7-15C3B4424C97|orgName=Intel

## Resolved Issues

### Resolved issues in this release

ID	Feature	Issue	Status
DE10723	Telemetry	Telemetry in Chinese Language not searchable.	Resolved
DE9937	Server	Can't upload CAB files on server with FIPS enabled	Resolved
DE11098	Server	Present button not shown with one-time client and Guest Access. TO CONFIRM WITH JAKE!	Resolved

<b>DE9870</b>	Server	SMTP configuration settings are required even though IIS is configured to not require them	Resolved
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## Known Issues

### Previously Known Issues

ID	Feature	Issue	Resolution	Status
<b>DE6805, DE6811, DE6817</b>	Client	When using a scheduled meeting and a 3.x hub and 4.0 hub have the same PIN, the clients may not auto connect to the session when added.	Workaround - Click on the scheduled meeting URL again or manually enter the session PIN.	Investigating
<b>DE7575</b>	Client	When auto pairing clients, if the URL (OTP) is mistyped, client SW launches and prompts for an email address.	Workaround - Correct the OTP and restart the pairing process.	Investigating
<b>DE8199</b>	Mac Client	When the Mac Client is connected to a hub and loses its network connection, it goes to the provisioning screen.	Workaround - Close and restart the Mac Client.	Investigating
<b>DE8652</b>	Client	SW with mouse hover-over data displaying may not appear while presenting the client to the hub.	Errata.	Investigating
<b>DE8897</b>	Mac Client	When using present an app to present video and it is changed to full screen view, the shared presentation freezes.	Workaround - Exit full screen mode or use A/V mode to present video.	Investigating

<b>DE8901</b>	Mac Client	If the present an app menu is opened then one of the applications are closed and still selected to be presented, when the Present button is clicked it will relaunch of the application previously closed. The "Present" button will also change to "Stop Presenting" then back to "Present".	Workaround - Close the present an app menu and reopen it to get the correct list of active applications.	Investigating
<b>DE9025</b>	Client	In client settings the option to "Automatically accept connection requests when hosting a session" is available on clients that don't support this feature.	Errata.	Investigating
<b>DE9042</b>	Client	When presenting with an extended display utilizing Chrome and a full screen video then stop presenting is selected the Chrome browser will not automatically move back to the client main screen.	Workaround - Reactivate the Chrome browser for it to appear on the main display.	Investigating
<b>DE9195</b>	Client	Utilizing a scheduled meeting then selecting "Add Room Display" there is no button to return to the scheduled meeting lobby.	Workaround - Click on the scheduled meeting URL again to return to the scheduled meeting lobby.	Investigating
<b>DE9217</b>	Admin Portal	Only the Admin user can edit the Admin acct e-mail or phone#.	Errata.	Investigating

<b>DE9220</b>	Windows Client	When two clients are presenting on the hub and one utilizes the advanced present menu - present an app without selecting an application, it can perform a takeover thus the active presentations.	Workaround - Make sure an application is selected in present and app, or do not select take over.	Investigating
<b>DE9235</b>	Mac Client	On the Mac Client using auto-pairing and the DNS test record then clearing the user pairing token will bring up a legacy screen.	Workaround - Close the app and restart.	Investigating
<b>DE10234</b>	Windows Client	Windows - Extended Display - ED stops working after to present the virtual extended screen several times.	Errata. Do not switch between primary and extended display driver so quickly.	Investigating