

Release Notes

Accops HyWorks Session Host Server v3.3.0.11119
V3.2-SP2 Compatible

Last Updated: 06 Apr 2020

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Release Notes Document Revision History

<i>Date</i>	<i>Changes</i>
06-Apr-2020	SHD release details are added for v3.3.0.11119

Table of Contents

Table of Contents.....	3
Introduction.....	4
Prerequisite .Net 4.7.2 is must for HyWorks Servers.....	4
HyWorks Session Host Server v3.3.0.11119 Download Link.....	5
Important for Installation, Upgrade or HyWorks Deployments.....	6
Setup Dependency on .Net 4.7.2.....	6
HyWorks Controller Versions Supporting Upgrade.....	6
Session Host Server v3.3.0.11119 Details.....	7
New Features and Enhancements in v3.3.0.11119 Release.....	7
Enhancement: Immediate session update to Controller for all types of sessions.....	7
Enhancement: Improved performance for multiple requests from Controller.....	7
Defect-fix: Unable to remove Shell application sessions from HyWorks Controller Management Console.....	8
Defect-fix: Exceptions after session host server reboot.....	8
Known Limitations and Issues.....	9
Details of Previous Releases.....	10
Previous Release - HyWorks v3.2-SP2-HF4.....	10
Default behavior and recommended usage.....	12
Support.....	13

Introduction

HyWorks Session Host Server v3.3.0.11119 is more stable session host server release, compatible with v3.2 as well as 3.3 Controllers.

HyWorks Session Host Server v3.3.0.11119 release notes document is published to provide following details:

1. Download link for v3.3.0.11119 session host server module
2. Important bug fixes
3. Any known issues with HyWorks v3.3.0.11119 session host server

Prerequisite .Net 4.7.2 is must for HyWorks Servers

Windows servers to be configured with HyWorks Controller or Session Host Server must be installed with .Net 4.7.2.

- **Support for Windows 2008R2 Deprecated**

As .Net 4.7.2 is **not** supported on Windows 2008R2, thus existing or new installation must upgrade Windows 2008R2 to Windows 2008R2-SP1.

- **Supported Windows Servers**

HyWorks Controller installation will be supported in following Windows server platforms only:

- Windows 2008R2-SP1
- Windows 2012R2
- Windows 2016
- Windows 2019

HyWorks Session Host Server v3.3.0.11119 Download Link

Important Notes:

1. **.Net 4.7.2** is required for Controller or Session Host Server installation
 - a. Support for Windows 2008R2 is deprecated and Windows 2008R2 must be upgraded to SP1 before installing HyWorks Controller or Session Host Server.

Module	Version	Remarks	Download location
HyWorks Session Host Server	v3.3.0.11119	<ul style="list-style-type: none"> • Session Host Server setup 	Download HyWorks Session Host Server v11119 MD5: 195b3635fffb7ce122e11a8df9d1db05
Session Server Extensions	3.3.0.6	For HyPrint, Light Speed Printing, File Transfer	Integrated with Session Host Server setup
Session recording	1.0.1.2	For recording user sessions	Integrated session recording module

Important for Installation, Upgrade or HyWorks Deployments

Setup Dependency on .Net 4.7.2

HyWorks Controller or Session Host Server **v3.3** requires **.Net 4.7.2**

- Before upgrading any existing installation, make sure to install .Net 4.7.2 externally
- **Support for Windows 2008R2 is deprecated:**
 - .Net 4.7.2 is not supported on Windows 2008R2 (Minimum supported: Windows 2008R2-SP1)
 - Before installation or upgrade in environments running Windows 2008R2, first upgrade the OS to SP1

HyWorks Controller Versions Supporting Upgrade : HyWorks V3.3 (Controller or Session Host Server) is **upgrade compatible** with only below specified HyWorks Controller or Session Host Server Versions:

- HyWorks Controller v2.5-SP1/SP2 or later installed with SQL Server

Session Host Server v3.3.0.11119 Details

This section of release notes will provide details of enhancements and defect fixes in v3.3.0.11119 release.

New Features and Enhancements in v3.3.0.11119 Release

Following new features, enhancements and bug fixes have been delivered in v3.3.0.11119:

Enhancement: Immediate session update to Controller for all types of sessions

New session host server will improve session management by sending immediate session change events to controller.

The improvement has been extended to all types of sessions i.e.

1. Shared hosted desktop session
2. Application Sessions in shell mode/ remote app mode

Enhancement: Improved performance for multiple requests from Controller

Some performance configuration fixes have been done in HyWorks Session host server for better responses to multiple sessions requests from controller.

Feature: Enhanced Tracking for Shell Applications (Controlled using registry settings in v3.2)

New session host server also supports enhanced tracking of shell mode applications, which means that any applications which were difficult to tracked earlier will have better support in shell mode.

Example of such applications are:

1. Internet Explorer
2. Explorer

Note:

- The feature is limited to applications delivery in shell mode only and will be controlled by Controller v3.3, but if session host v3.3.0.11119 or greater is being delivered with v3.2 controller, then it must be configured using registries carefully. Please see appendix for detailed information

Defect-fix: Optimization of memory consumption by session host server agent

Earlier versions of HyWorks Session Host server were not optimized and thus with increased load the memory consumption was also getting increased.

Memory consumption optimizations have been done and session host server memory usage should not go beyond 150 mb.

Defect-fix: Unable to remove Shell application sessions from HyWorks Controller Management Console

In previous limited release of HyWorks Session Host server v3.3, the application sessions were not getting removed when administrator was removing them from management console. The issue has been fixed in this release.

Defect-fix: Exceptions after session host server reboot

Multiple exceptions were logged after session host server reboot because of mismatch of session count in system and session host server. The defect has been fixed now and exceptions are not thrown now.

Known Limitations and Issues

Note:

- Known issues list is being updated and accordingly release notes will also be updated.

#	Subject
HyWorks Session Host Server	
11475	<p>Upgrading Session Host from 3.3.0.8928 to 3.3.0.11119 is getting Failed on Windows 2K8R2-SP1, throws error "Native Components of SQL Compact engine are not loaded"</p> <p>Workaround: Install Microsoft® SQL Server® Compact 4.0 SP1 before upgrade or if you are facing above issue.</p> <p>https://www.microsoft.com/en-in/download/details.aspx?id=30709</p> <p>Support Article: https://support.accops.com/a/solutions/articles/12000069376</p>
-	<p>Deployments using applications delivery in RemoteApp and Shell mode both should not use enhanced shell tracking.</p> <p>If it is needed to be enabled, all session host servers must be configured carefully using appropriate registry keys.</p>
-	<p>Enhanced tracking of application will not work for applications in shell mode if they are mentioned in Process ignore list. Which means applications delivery in remoteApp mode as well shell mode will not be possible with enhanced tracking.</p> <p>Recommendation: See appendix for enhanced tracking usage</p>
-	<p>Parent process for few applications (e.g. internet explorer, Google chrome) gets removed automatically after invoking child processes. Such application session may lose track of actual application process and may not get reconnected.</p> <p>Workaround: Use such applications in shell mode with enhanced shell tracking on</p>
-	<p>Google chrome does not support multiple instances being launched in multiple shell mode sessions in HyWorks.</p> <p>Recommendation: Google chrome should be published with following command line option: <code>--user-data-dir=%localappdata%\Google\Chrome\%sessionname%</code></p>
-	

Details of Previous Releases

Previous Release - HyWorks v3.2-SP2-HF4

To get detailed information on previous release of HyWorks, follow the below URL:

<https://support.accops.com/a/solutions/articles/12000067416>

Appendix-A: Registry based control of Enhanced shell tracking

Following additional registries are created when Session host server v3.3.0.11119 is installed or upgraded:

- Registry location:
HKEY_LOCAL_MACHINE\SOFTWARE\Accops\Controller\EDC\SESSIONHOST\APPLAUNCHER
- Registry Entries and Usage:

Registry Key	Registry Type	Possible Values	Usage
DebugLogs	String	True/False	Enable debug logs for applauncher. Default = false
ForceEnhancedProcessTracker	String	Empty, Enabled, Disabled	Empty = Disabled with v3.2 Controller and enabled with v3.3 Controller Enabled: Force enabled with v3.2 Controller Disabled: Force disabled with v3.2 Controller
ProcessExcludeList	Multi string	Name of exes	Specify applications delivered in RemoteApp mode with Enhanced tracking enabled on server
ProcessIgnoreList	Multi string	List of processes	List of processes which will be ignored even when running in an application session and session will be logged out if no other application is running.
WindowCheckTimer	String	Number of seconds	Duration for which session host will check for any visible window in session, if no such window is found session will be logged out.

Default behavior and recommended usage

1. By default, on upgrade or fresh installation, Enhanced shell tracking will be set as 'Not configured'
 - a. If HyWorks controller is v3.2 -> It will keep the enhanced tracking as disabled
 - b. If HyWorks controller is v3.3 -> It will keep enhanced shell tracking for shell apps as enabled.
2. Working with v3.2 Controller,
 - a. Not configured or disabled will not user enhanced shell tracking
 - b. Enabled: This will be enabled shell tracking for all types of app sessions
 - i. Recommended for environments where only Shell apps to be used
 - ii. If any specific app works in remote app mode, then it must be mentioned in exclude list

Support

Contact Accops Support team (support.accops.com) for any assistance or queries.

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