

Microsoft Azure Service Fabric 5.7.221 Refresh Release Notes

This is a refresh of the Service Fabric runtime for Windows, standalone and .NET SDK. It includes resolutions to the issues described below.

Runtime	Windows	5.7.221
.NET SDK	Windows .NET SDK	2.7.221
	Microsoft.ServiceFabric	5.7.221
	Reliable Services and Reliable Actors	2.7.221
	ASP.NET Core Service Fabric integration	2.7.221

Service Fabric Runtime

Bug Fixes

The SF Cluster was upgraded from 5.7.207.9494 to 5.7.217.9494 and DNS stopped resolving names

The previous release of the Windows runtime has a regression that affects DnsService in secure Windows clusters. DnsService is running under a special user and doesn't have enough privileges to access the cluster's certificate and is therefore unable to resolve DNS queries. **Note** that this is the only build that has this issue.

Upgrade to 6.0 build fixes the problem. In case upgrade is not an option, the mitigation is to modify the permissions on the certificate's private key to grant read access to the user DnsService runs under. This must be done on every node.

Create application and/or create service can get stuck

Create application and/or create service can get stuck if there is a delete request racing with it. This is more likely to happen during the upgrade of an application that contains default services and while the upgrade is in progress, a separate delete service was sent out for that default service. There is no workaround for this, this version of the runtime fixes this issue.

Service Fabric Reverse Proxy URL Decoding

Fixed a bug where reverse proxy was failing to process any requests with '|' character in the URI.

Runtime installer gets stuck during upgrade

Fixed a scenario during cluster version upgrade, where non-Fabric processes are holding handles to Fabric resources would cause the installer to get stuck.

FabricDeployer hang preventing FabricHost from coming up due to high application data

For customer environments that have a high number of application data cache files in _App data root directory, Fabric failed to come up because FabricDeployer timed out searching for critical files. This search has been optimized to be scalable.

Service Fabric for Windows Server

This release for Service Fabric standalone includes all the changes in the runtime as mentioned above, and other code stabilization.

Service Fabric SDK and NuGet packages

Bug Fixes

Endpoint override in ServiceManifest.xml

Endpoints defined in ServiceManifest.xml can now be overridden with application parameters. The schema to support this, was not part of previous 2.7 SDK releases.

Repositories and Download Links

The table below is an overview of the direct links to the packages associated with this release.

Please follow this guidance for setting up your developer environment:

- Windows: <https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-get-started>

Area	Package	Version	Repository	Direct Download Link
Service Fabric Runtime	Windows Developer Set-up	5.7.221	N/A	http://download.microsoft.com/download/D/0/B/D0BB8BBF-B77A-48A8-9567-7A9243AC6FF5/MicrosoftServiceFabric.5.7.221.9494.exe
Service Fabric for Windows Server	Service Fabric standalone package for Windows Server	5.7.221	N/A	https://download.microsoft.com/download/8/3/6/836E3E99-A300-4714-8278-96BC3E8B5528/5.7.221.9494/Microsoft.Azure.ServiceFabric.WindowsServer.5.7.221.9494.zip
.NET SDK	Windows .NET SDK	2.7.221	N/A	http://download.microsoft.com/download/D/0/B/D0BB8BBF-B77A-48A8-9567-7A9243AC6FF5/MicrosoftServiceFabricSDK.2.7.221.msi
	Microsoft.ServiceFabric	5.7.221	N/A	https://www.nuget.org
	Reliable Services and Reliable Actors <ul style="list-style-type: none"> Microsoft.ServiceFabric.Services Microsoft.ServiceFabric.Services.Remoting Microsoft.ServiceFabric.Services.Wcf Microsoft.ServiceFabric.Actors Microsoft.ServiceFabric.Actors.Wcf 	2.7.221	https://github.com/Azure/service-fabric-services-and-actors-dotnet	https://www.nuget.org
	ASP.NET Core Service Fabric integration <ul style="list-style-type: none"> Microsoft.ServiceFabric.Services.AspNetCore.* 	2.7.221	https://github.com/Azure/service-fabric-aspnetcore	https://www.nuget.org

Visual Studio	Visual Studio 2017 Tools for Service Fabric	1.7	N/A	Included in Visual Studio 2017 Update 3
	Visual Studio 2015 Tools for Service Fabric	1.7	N/A	See localized download links below

Visual Studio 2015 Tool for Service Fabric – localized download links

- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.de-de.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.en-us.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.es-es.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.fr-fr.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.it-it.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.ja-jp.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.ko-kr.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.ru-ru.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.zh-cn.msi>
- <http://download.microsoft.com/download/A/7/3/A73E4B51-7222-49B6-8C60-9244BA38DBEB/MicrosoftAzureServiceFabricTools.VS140.zh-tw.msi>