

# New Features in Neverfail Continuity Engine 8.5

## A New Ecosystem Strategy

The new ecosystem strategy continues to add more application support for Continuity Engine providing native support for the applications listed below. Continuity Engine bundles these plugins, automatically detects the existence of the application, and then installs the corresponding plugins. A technical overview for the plugins are included in the links below:

- **Neverfail for Atlassian Confluence** - support for Atlassian Confluence 6.x versions
- **Neverfail for Atlassian Jira** - support for Atlassian Jira 7.x versions
- **Neverfail for Oracle Database** - support for Oracle Database 12c Release 1, Release 2 Windows versions, added support for Oracle Database 18, and added Oracle Flashback protection
- **Neverfail for PostgreSQL** - support for PostgreSQL 9.3, 9.4, 9.5, 9.6, 10.x versions
- **Neverfail for Veeam Backup & Replication 9.5 Plug-ins Suite** - support for Veeam Backup & Replication 9.5 U3 and U4 components include:
  - Neverfail for Veeam Backup & Replication
  - Veeam Backup Enterprise Manager
  - Veeam Availability Console
  - Veeam Backup Proxy
  - Veeam WAN Accelerator
  - Veeam Cloud Gateway
- **Neverfail for SQL Server** - redesigned plugin with new added features like: SQL Server instance / database level protection / exclusion, SQL Server Authentication and Windows Authentication support, Minimal required SQL Server permissions configuration, Database snapshots discovery and protection
- **Neverfail for VMware vSphere 6.7** - added support for VMware vCenter Server 6.7 components
  - VMware vCenter Server
  - VMware Platform Services Controller
  - VMware Update Manager
  - VMware Authentication Proxy 6.0
  - VMware vPostgres
  - VMware Composer 5.x, 6.x and 7.x
- **Neverfail for Symantec Mail Security for Exchange** - added support for Symantec Mail Security for Microsoft Exchange v7.9
- **Neverfail for vSphere Integration** - added support for interoping with VMware vCenter Server 6.7
- **Neverfail for Systems Center Operation Manager** – Updated to support the latest version of SCOM.

## New Features

- Windows Server 2019 Support
- SMB2 Support (SMB1 No Longer Supported)
- Email Notification Support for O365
- Long File Name Support on NTFS
- **Local User Account Replication:** local user accounts and groups, as well as the corresponding passwords, permissions and policies are replicated on the passive servers
- Service Control Manager Logon Accounts and Passwords Replication: protected services logon account and corresponding password are replicated on the passive servers
- TLS support for Engine e-mail alerting
- Improved reactive behavior and user alerting when Neverfail Engine versions mismatch across nodes
- Improved user experience for Configure Server Wizard> Hardware Identity Change operation.
- Neverfail Continuity Engine
- 8.5U4 is updated to Oracle Java
- SE Runtime Environment 8u191
- Neverfail Continuity Engine 8.5
- Update 5 is updated to Apache Tomcat 7.0.94 .
- Neverfail Continuity Engine 8.5
- Update 5 is updated to OpenJDK 1.8.222-1

## Automated Recloning

Automated recloning is a new feature of Continuity Engine designed to address issues around application and security patch management and repairing a broken cluster.

### Full Cluster Reclone

Engine now supports the ability to reclone an entire cluster either as a one time task or via a scheduled or periodic process. This provides a process to enable Continuity Engine administrators to apply major application upgrades and security patches to the production workload and commit those changes to the rest of the cluster without tedious switchover and patching protocols.

### Partial Cluster Reclone

Engine now supports the ability for administrators to repair a broken cluster due to logical corruption of one of the passive nodes or the total loss of the virtual server the passive nodes are hosted on.

This new feature allows users to either perform recloning to the existing location or a completely different location. It will also either automatically delete the old passive node or leave it in place for further analysis. It also supports automated deployment and manual cloning.

## Cozen Passive Node Management

Cozen is an English term meaning to trick. This new technology is designed to present an alternate identity in order to trick 3rd party applications that perform patch management into identifying passive nodes as unique identities.

Engine will allow an alternative cozen identity on a management IP for 3rd party instrumentation. A new DNS hostname and NETBIOS ID are presented to these applications. These 3rd party patching technologies will connect via this cozen identity and inject security patches to the target passive node.

Thus, this new feature will allow Neverfail Continuity Engine administrators to enable operational control over each passive node in the cluster.

## ReFS (Resilient File System)

v1 and v2

## Chinese Locale

Simplified Chinese locale for EMS Localization

## vCenter 6.5 and vCenter Converter 6.1.1 Support

API Support for Deployment Using the Latest Versions of vCenter and vCenter Converter.

## VMware vCenter Server 6.7 and VMware vCenter Converter 6.2 Support

Neverfail Engine Management Service API support for deployment using the latest versions of VMware vCenter Server 6.7 and VMware vCenter Converter 6.2.

Neverfail for vSphere integration plug-in support for interoperating with the latest versions of VMware vCenter Server 6.7.

## New or Updated Plugins

- Protect vCenter 6.5 for Windows Deployments (HA/DR/TRIO) including the latest versions of View Composer 7.2.3
- Microsoft Exchange 2019 Support for hybrid deployment to Azure
- Microsoft SharePoint 2016 and 2019 Support
- Office Online Server Support
- Solarwinds Management Suite Support for:
  - SolarWinds NPM v12.0.1, v12.1
  - SolarWinds APE v12.0.1, v12.1
  - SolarWinds NCM v7.5.1, v7.6
  - SolarWinds SAM v6.3.0, v6.4
  - SolarWinds NTA v4.2.1, v4.2.2
- Support for the latest version of Progress (formally Ipswitch) MOVEit suite of products.
- Support for MiTel Contact Center for Windows
- New System, IIS and File Server plugins for Windows Server 2019
- Oracle 18c and 12c R1, R2

## Patch Management Solutions / Technologies supported by Neverfail Continuity Engine's Cozen Passive Node Management

Following Patch Management Solutions / Technologies were validated as supported for interoping with Neverfail Continuity Engine's Cozen Passive Node Management feature:

### Supported Patch Management or Backup Technologies

Management / Backup Technology	Neverfail Continuity Engine version
SCCM 2012 R2	CE v8.5 (all updates)
Windows Server Update Services (WSUS)	CE v8.5 (all updates)
Ivanti Patch	CE v8.5 (all updates)
Kaseya VSA Cloud Portal	CE v8.5 (all updates)
Quest KACE	CE v8.5 (all updates)
IBM Big Fix	CE v8.5 (all updates)
Cloud Management Suite - IT Patch Mgmt	CE v8.5 (all updates)
ConnectWise Automate	CE v8.5 (all updates)
GFI LanGaurd	CE v8.5 (all updates)
Solarwinds Patch Manager	CE v8.5 (all updates)

### ABOUT NEVERFAIL

Neverfail enables businesses to achieve 100% uptime through the world's most resilient business continuity and secondary storage solutions.

Made for mission-critical businesses, Neverfail solutions mitigate the risk of downtime in the face of any potential outage. By delivering seamless business continuity, we empower our partners and clients to realize their full potential without the risk of downtime.

To learn more about how you can become a company that never fails, visit us at [www.neverfail.com](http://www.neverfail.com) or call +1.512.600.4300