

Release Notes

Enhancements

Added the ability for the Portal, MMC and Endpoints, to function when Redis is unavailable. Performance may be degraded during a Redis outage.

If the portal is unable to communicate with Redis, you will be unable to access it. However, your endpoints will still be able to communicate with iC3, ensuring that your estate remains protected in the event of a Redis outage.

The default minimum adapter poll time for pending commands is now 60 minutes. An additional delay is also applied based on the CPU load of the node that the adapter is connected to. The minimum adapter poll time that we support is 5 minutes. This is held in the `SystemParameter` table after you upgrade your iC3 Management database to this release.

Provided instructions to rotate the SSL Certificates in environments as required.

Added an upgrade process for Azure PaaS and On-Premise deployments.

Updated the EULA in the On-Premise deployment wizard for the BeyondTrust business entity.

Improved the performance of the **Computers** grid to allow the selection of all rows.

Updated the EULA in the Windows adapter installer for the BeyondTrust business entity.

Improved the performance of the iC3 portal to support a large number of commands.

Added a validation check for the Azure PaaS deployment to check that the selected Azure Location has enough cores available to deploy iC3.

Migrated the `SystemConfiguration` table to a new `SystemParameter` table, that uses rows rather than columns. After an upgrade, the `SystemConfiguration` table will no longer be used.

Added a visual representation in the **Computers** and **Groups** grids to show when a command is being actioned.

Bugs Fixed

iC3 Windows Adapter

Fixed an issue to ensure the SID is removed from the registry when the iC3 adapter is uninstalled.

iC3 Application

Changed the string name in **Settings** from **Application ID** to **MMC Client ID** to match the MMC name.

Fixed an issue to ensure that computers that are deactivated are removed, in real-time, from the grid.

Fixed an issue with the time and date stamp for events to ensure they are reported correctly.

Fixed an issue to ensure you cannot have multiple iC3 sessions open simultaneously for the same user.

Fixed an issue to ensure you can always connect to the iC3 MMC snap-in with TLS 1.2 enabled.

Stale errors in the ServiceFabric explorer are now correctly removed.

Fixed an issue to allow you to apply policy to a group containing more than 32,767 endpoints.

Improved the performance of event processing by ensuring that events are distributed across all of the nodes correctly.

Rows in the portal now correctly flash green the first time, and subsequent times, actions are applied to them.

iC3 Database

Added additional database indexes to improve the performance of the portal.

Azure Deployment

All iC3 services now only accept communication over TLS 1.2.

Versions of TLS 1.2 are no longer disabled as this was preventing non-iC3 applications from running on the server.

Fixed issues with incorrect data in *.json files that caused unnecessary message processing.

Fixed an issue with malformed *.json files that caused the **EndpointEventPump** to shut down.

On-Premise Deployment

When you select LDAPs authentication on the **Authentication** tab, the **Next** button is now correctly disabled until you provide a DN (Distinguished Name).

The deployment wizard now correctly accepts numbers as well as letters.

You can now proceed past the **Databases** tab when you have set up the databases manually.

All iC3 services now only accept communication over TLS 1.2.

The iC3 connection string is now correctly supplied to iC3 in lower case letters irrespective of the case used in the deployment wizard.

If you are deploying with an existing database, the database creators username and password fields are now correctly grayed out in the **Authentication** tab.

The **Authentication** tab in the deployment wizard now correctly displays the **TenantID** GUID when it first loads.

Versions of TLS 1.2 are no longer disabled as this was preventing non-iC3 applications from running on the server.

Added validation to the On-Premise deployment wizard to validate the characters entered for the domain to ensure they are correctly formatted.

Updated the text-based help on the **iC3 Reporting** tab to reflect both Windows and SQL authentication methods.

The terms and conditions in the deployment wizard are now rendered correctly.

Prerequisites

Defendpoint Clients

The prerequisites for the Defendpoint clients can be found in the Client Release Notes.

iC3 Windows Adapter

You need to deploy iC3 prior to installing your Windows adapter so you can access the **Installation Key** and **Installation ID** which are parameters for the adapter installation.

iC3 macOS Adapter

You need to deploy iC3 prior to installing your Mac adapter so you can access the **Installation Key** and **Installation ID** which are parameters for the adapter installation.

Compatibility

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Defendpoint Client

Windows

- 5.3.x (all versions)
- 5.2.x (all versions)
- 5.1.x (all versions)



Note: Trusted Application Protection (TAP) events are not supported in Defendpoint 5.1.95 GA.

Mac

- 5.2.x (all versions)
- 5.0.19950.0 SR1

Defendpoint Management Console

- 5.3.x (all versions)
- 5.2.x (all versions)
- 5.1.149.0 SR1

Earlier versions of the Defendpoint Management Console are not supported for use with this iC3 release.

iC3 Adapters

Windows Adapter

- 2.2.35697.0 GA
- 2.1.26339.0 SR1

macOS Adapter

- 2.0.28710.0 SR2

Reporting Database

- Defendpoint Enterprise Reporting 5.1.x (all versions)

Supported Operating Systems and Browsers



Note: Please see the relevant *Installation Guide* for your chosen method of deploying iC3 for the different machines and operating systems that are required.

Deployment Machine

- Windows 10
- Windows Server 2016 Standard or Enterprise

For the Windows iC3 Adapter:

- Microsoft Windows 7 and higher
- Windows 2012 R2
- Windows 2016

For the macOS iC3 Adapter:

- macOS 10.12 Sierra
- macOS 10.13.2 High Sierra
- macOS 10.14 Mojave

For the iC3 portal:

- Microsoft Internet Explorer
- Google Chrome
- Apple Safari
- Mozilla Firefox

Version History

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Application

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2.1.30465.0 SR2

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Enhancements

The default minimum adapter poll time for pending commands is now 60 minutes. An additional delay is also applied based on the CPU load of the node that the adapter is connected to. The minimum adapter poll time that we support is 5 minutes

The Tenant CA is now loaded on the iC3 Fabric Application at start-up to support asynchronous requests. If this process fails, ServiceFabric Explorer reports the error.

Errors in ServiceFabric Explorer are now removed after 30 minutes providing the underlying issue has been resolved.

Bugs Fixed

Updated the EventGateway to ensure events traffic is distributed evenly across the cluster.

2.1.26339.0 SR1

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New Features

Added support for deploying iC3 to Microsoft Azure using Azure AD authentication.

Enhancements

Added options and set default values for the iC3 cleanup job that runs as part of the iC3 scheduler. The following settings can be configured and have these defaults:

- Number of days data the cleanup job leaves behind defaults to 180 (6 months)
- Batch size for record deletion defaults to 10,000

Bugs

Removed the reliance on the Token Authority being case sensitive. This was causing the authentication between the iC3 portal and the Token Authority to fail in some cases.

2.1.24795.0 GA

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New Features

Added support for automatic computer deactivation after they've been inactive for a defined period of time.

Added support for Microsoft Active Directory (AD) and LDAP methods of authentication.

Added support to check for duplicate computers and the ability to filter on them.

Added support for Windows authentication iC3 database communications.

Bugs

Notifications are now displayed when a '500' error has occurred in the portal.

Group names are now correctly released to be reused if you change them.

Policy files that are uploaded to the Platform Gateway using the API are now validated to ensure they are valid XML files.

The date range filter now works as expected in Internet Explorer.

A new group is now correctly created if you quickly pressed Enter whilst iC3 was validating the group name.

The Groups page now correctly loads when a large number of computers are being added to iC3.

You can now submit annotations using the Enter key the Safari browser.

Assigning a new group to a computer now triggers a page refresh.

The iC3 portal log in screen now says "Username" instead of "Email Address".

Events generated from a non-UTC time zone now display correctly in reports.

Responses from the API Endpoints now contain 'mode=block' to ensure the browser understands how to render the page.

The Rejected column now correctly shows and counts rejected computers.

Security headers are now present in the error page that is displayed if the Service Fabric Health Checks fail.

Using the 'Update agent status' button now correctly logs the user out of any other concurrent sessions.

The Computer Details page is now correctly refreshed after you request a status update.

An end user can no longer navigate to portal front-end assets.

You are now correctly logged out of a concurrent session if you are active in a different browser with the same account.

The last connected date is now returned in UTC time format.

Certificates generated by the deployment wizard now use SHA256 hash algorithm.

The key length for the RootCA and TenantCA certificate is now 4096.

2.0.22503.0 GA

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New Features

Added the Installation Key and Installation ID GUIDs to the portal so they can be created and deleted as required.

Redesigned the iC3 system architecture to allow it to be installed on-premise. Created a PowerShell based iC3 deployment wizard to support the new architecture.

Added the ability to collect remote iC3 services logs from the application servers.

Added new integrated reporting with an improved user experience.

Added the ability to retrieve logs from individual computers.

Bugs Fixed

Time Zones in the portal are now correct when the UTC time zone is used.

You can now create user names in the portal with an underscore character in.

Azure PaaS Deployment

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1.3 GA

- "Bugs Fixed" on page 8

Bugs Fixed

When you perform an application upgrade, the current configuration is now output as part of the upgrade process.

You can now use the script `ClearServiceFabricErrors.ps1` in the `Upgrades` folder of the Azure PaaS deployment kit to remove any previously reported errors in the ServiceFabric Explorer. This script must be run prior to upgrading to this release.

1.2 GA

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New Features

Added the ability to support the deployment of an internal load balancer as well as an external load balancer (the default option).

Automated the deployment of the iC3 portal after the completion of the deployment script. These manual steps have been removed from the product documentation.

Bugs

Updated the ARM template to so the Default Virtual Machine tier is set to **D2_V2**.

In the event of an unsuccessful deployment you can now re-run the deployment script without errors relating to the existence of the certificates that were generated previously.

In the event of an unsuccessful deployment you can now re-run the deployment script without errors relating to the existence of the `configbuilder\configuration` that was generated previously.

1.1 GA

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Bugs

Changed the Azure load balancer configuration to enforce persistent sessions for traffic on port 8443.

The user that is created by the installer to run the staging task against the reporting database has been updated with the `db_ddladmin` role. This allows the Copy from Staging procedure to run successfully.

1.0.0 GA

- "Bugs Fixed" on page 6

Bugs

Registry values for Internet Information Services (IIS) are now correctly updated to ensure that it uses up-to-date ciphers and protocols.

On-Premise Deployment

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1.2 GA

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Bugs

You can now deploy successfully with an existing iC3 management and BLOB database.

We no longer disable versions of TLS prior to 1.2 on the iC3 servers in case non-iC3 applications required it.

Fixed an issue to ensure that all iC3 services now accept communications using TLS 1.2

The domain you enter on the **Authentication** tab during deployment is now validated.

You no longer receive an authentication error when you've set up the database manually due but don't have the iC3 administration account on the machine.

A mix of upper and lower case in the `Avecto.IC3.Portal.ConnectionString` no longer causes an error when navigating to the portal.

The TenantID GUID is now correctly populated when the user switches between LDAPs and then back to Windows Active Directory.

The Next button is now correctly unavailable on the Authentication tab when you have selected 'LDAPs' as the **Authentication type/provider** and not yet entered the **DN**.

You can now enter numeric characters in the **DNS** field on the **iC3 Portal** tab.

1.1 GA

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Bugs

Changed the Azure load balancer configuration to enforce persistent sessions for traffic on port 8443.

The user that is created by the installer to run the staging task against the reporting database has been updated with the `ddladmin` role. This allows the Copy from Staging procedure to run successfully.

1.0.0 GA

- "Bugs Fixed" on page 6

Bugs

Registry values for Internet Information Services (IIS) are now correctly updated to ensure that it uses up-to-date ciphers and protocols.

macOS Adapter

- "Bugs Fixed" on page 6

Bugs

iC3 events are now processed correctly by the adapter.