StarTool® IOO 3.1.5.02 Readme

23 March 2020

This Readme file contains information for StarTool IOO patch release 3.1.5.02.

The StarTool IOO 3.1.5.02 patch release contains only the changes that have been made to product files since StarTool IOO 3.1.5. See "Installation Considerations" on page 4 for instructions on downloading and installing the StarTool IOO 3.1.5.02 patch release.

> **NOTE** Sites that are running z/OS 2.2 and above should install this IOO 3.1.5.02 patch release. Otherwise, IOO messages will not appear even though IOO is optimizing.

> **NOTE** In StarTool IOO release 3.1.4.02, the default bufferspace for non-VSAM buffers was changed from 160KB (with reblocking) and 256KB (without reblocking) to 384KB (for both cases). This increase allows IOO to optimize the buffer count for non-VSAM files more fully.
>
> Note that even with this controlled increase in the bufferspace values, it is possible for an application that (1) uses a very large number of non-VSAM data sets, and (2) is close to exceeding the maximum possible region size, to in fact receive region abends.
>
> In those cases, you can use the BUFNO parameter in IOO's Dynamic Control Facility (DCF) rules to reduce the non-VSAM bufferspace for those jobs. Otherwise, contact Customer Support for additional guidance.

General Information

Product Description

StarTool® Input/Output Optimizer (IOO) is an integrated performance optimizer that dynamically manages I/O buffering to improve throughput for batch and online processing. StarTool IOO gathers information during I/O requests to VSAM and SAM (QSAM, BSAM, and EXCP) data sets and uses this information to access a knowledge base of I/O processing rules. It implements selected rules to analyze all data set information available from the catalog, control blocks, and operating dynamics. StarTool IOO then builds an I/O environment for each data set that maximizes processing efficiency, and it adjusts performance criteria and operating conditions based upon I/O requests.

Release Summary

See "New Features in StarTool IOO 3.1.5.02" on page 3 for a list of the enhancements in StarTool IOO 3.1.5.02. See "Fixes in StarTool IOO 3.1.5.02" on page 3 for links to the defects that have been fixed in StarTool IOO 3.1.5.02.

Customer Support

- **Online Support** — The Micro Focus SupportLine website at http://supportline.microfocus.com provides an easy way for customers to manage their support cases, download software patches, or search the Knowledgebase for the latest technical information about our products at any time.

- A user ID and password are required to access the Micro Focus SupportLine website. To obtain a user ID and password, sign up online or contact Customer Support by email or telephone.

- **Telephone Support** — Telephone contact numbers for Customer Support are posted by region at the following URL:

    https://www.microfocus.com/support-and-services/serena/

    No password is needed to access Customer Support contact information.

- **Email Support** — Customers can send support requests by email to customercare@microfocus.com.

- **Authorized Support Representative** — Some support contracts specify that support calls will be centrally managed within the customer organization. This practice enables related issues to be aggregated across multiple customer sites or functional groups, and it ensures accountability for the satisfactory resolution of open issues. You should determine whether you have such a support contract before contacting Customer Support. If you do have such a contract, submit your support request to the designated support manager within your organization and arrange for that person to contact Customer Support.

New Features in StarTool IOO 3.1.5.02

Entries for ENA and ENB (for Endevor) have been added to the #BYPASS member of the STRIOO.MAC distribution library.

Fixes in StarTool IOO 3.1.5.02

Access the following link for a list of defects and description of the fixes in StarTool 3.1.5.02:

http://knowledgebase.serena.com/InfoCenter/index?page=content&cat=STRIOO_3.1.5.02_RESOLVED&channel=DEFECTS

New Features and Fixes in Previous StarTool IOO Releases

You can access the following links to review the features and fixes in previous StarTool IOO releases.

New Features in StarTool IOO 3.1.5.01

http://knowledgebase.serena.com/InfoCenter/index?page=content&id=S143105

Fixes in StarTool IOO 3.1.5.01

http://knowledgebase.serena.com/InfoCenter/index?page=content&cat=STRIOO_3.1.5.01_RESOLVED&channel=DEFECTS

New Features in StarTool IOO 3.1.5

http://knowledgebase.serena.com/InfoCenter/index?page=content&id=S143104

Fixes in StarTool IOO 3.1.5

http://knowledgebase.serena.com/InfoCenter/index?page=content&cat=STRIOO_3.1.5_RESOLVED&channel=DEFECTS

Installation Considerations

The distribution files for the StarTool IOO 3.1.5.02 patch release contain only the changes that have been made to product files since the StarTool IOO 3.1.5 release. You can download the distribution files for the StarTool IOO 3.1.5.02 patch release from patch ID P2867.

> **NOTE** If you are replacing a version of StarTool IOO that is older than version 3.1.4, you will need to obtain a new license key. Contact Customer Support.

For sites upgrading from IOO 3.1.5 that have made customizations to global and optimization tables, read the implementation section of the installation instructions provided in patch ID P2867.

We recommend that you perform an IPL to free up ECSA storage that may have been lost by the older release that you are replacing.

Software Compatibility

For a complete list of software requirements and product compatibility, refer to the Platform Matrix for StarTool IOO 3.1.5.02 at the following location on the Micro Focus SupportLine website:

https://supportline.microfocus.com/prodavail.aspx

Storage Requirements

StarTool IOO allocates approximately 500K of 31-bit Extended Common Storage (ECSA) and 30K of 24-bit Common Storage (CSA) at startup. Within an application's address space, IOO allocates 24K for each open VSAM Access Control Block (ACB). Additional storage requirements vary dynamically based on the startup option chosen, the current application workload, and the optimization rules currently in force.

Other

Other compatibility requirements of StarTool IOO include:

Feature or Standard	Compatible Versions
Character Set	EBCDIC - Latin 1
3270 Emulation Code Page	037 U.S. English

Known Issues

No known issues exist in StarTool IOO 3.1.5.02.

Documentation Updates

StarTool IOO documentation is provided in Adobe® Portable Document Format (PDF). You can download it from the following Micro Focus website:

> https://www.microfocus.com/support-and-services/documentation/

Adobe® Reader® is available for free download at http://get.adobe.com/reader/. Version 9 or higher is recommended.

Additions and corrections to documentation can be issued after the product release date. Updated StarTool IOO Readme files and user manuals are published on the Micro Focus documentation website cited above with the rest of the documentation for the product release. Updated Readme files and user manuals are flagged with an **Updated** date in the file name or description.

> **NOTE** Change bars in the left margin of StarTool IOO documentation identify substantive changes from the last published version, unless otherwise noted.

Searching the Documentation

There is no cross-book index for the StarTool IOO documentation suite. You can use the Advanced Search facility in Adobe Reader to search all StarTool IOO manuals in the same or subordinate folders for information that you want.

Documentation Changes Regarding StarTool IOO Messages

StarTool IOO messages now appear in the JESMSGLG. All references to messages appearing in JESYSMSG should be changed to JESMSGLG in the following StarTool IOO user manuals:

- *Installation and Setup Guide*

- *Messages*

- *User's Guide*