

IBM Extended Command-Line Interface
(XCLI) Utility
5.5.4

Release Notes



First Edition (May 2022)

This edition applies to the IBM® XCLI Utility 5.5.4 software and replaces version 5.2.0.a. Newer document editions may be issued for the same version in order to add missing information, update information, or amend typographical errors. The edition is reset to 'First Edition' for every newly released version.

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Overview

IBM Extended Command-Line Interface (XCLI) Utility provides a terminal-based interface for issuing storage system management, monitoring, and maintenance commands from a client computer upon which the Utility is installed.

For detailed information about the command-line interface (CLI) commands for a particular storage system, see the CLI Reference Guide of that storage system.

The IBM XCLI Utility software package can be downloaded at any time from the [IBM Fix Central](http://www.ibm.com/support/fixcentral) website (www.ibm.com/support/fixcentral).

What's new in 5.5.4

IBM XCLI Utility 5.5.4 is minor release that resolves a common security issue and provides the following enhancements.

General availability date: May 2022

Note: This version replaces XCLI Utility 5.2.0.a to properly align the release version across the management tool utilities (including IBM Hyper-Scale Manager).

New Red Hat Enterprise Linux (RHEL) 7.x and 8.x support

XCLI Utility 5.5.4 now supports Red Hat Enterprise Linux (RHEL) 7.x and 8.x for x64 architectures.

Miscellaneous resolved issues

For more information about the resolved security issue, see [“5.5.4 \(May 2022\)” on page 7](#).

Compatibility

This section details the compatibility of IBM XCLI Utility 5.5.4 with storage system versions and operating system versions.

Supported storage systems

IBM XCLI Utility 5.5.4 supports the following storage system versions:

Storage system	Microcode version
IBM FlashSystem® A9000R	12.3.x
IBM FlashSystem A9000	12.3.x
IBM XIV® Storage System Gen3 (models 281x-214 and 281x-314)	11.6.x
IBM Spectrum Accelerate	11.5.3.c, 11.5.4

Note:

- For the latest XIV Storage System code recommendations, see [IBM XIV Storage Systems Code Update Recommendation](http://ibm.com/support/pages/ibm-xiv-storage-systems-code-update-recommendation) (ibm.com/support/pages/ibm-xiv-storage-systems-code-update-recommendation).
- For the latest FlashSystem A9000 and A9000R code recommendations, see [IBM FlashSystem A9000/A9000R Code Update Recommendation](http://ibm.com/support/pages/node/707025) (ibm.com/support/pages/node/707025).

Supported operating systems

IBM XCLI Utility 5.5.4 supports the following operating system versions:

Operating system	Bit version / CPU architecture
Red Hat Enterprise Linux (RHEL) 7.x, 8.x	64-bit
Microsoft Windows 10	32-bit or 64-bit

Note: For details on how to install the XCLI Utility, see the Command-Line Interface (CLI) Reference Guide.

Change log

This change log summarizes the changes that were made in recent 5.x code level versions of IBM XCLI Utility.

Note: New functional features of these versions are only briefly summarized. For a detailed summary of the new functional features of a specific version, refer to the 'What's new' section of its individual release notes.

5.5.4 (May 2022)

IBM XCLI Utility 5.5.4 introduces new Red Hat Enterprise Linux (RHEL) 7.x and 8.x support and resolves the following issue.

Ticket ID	Description
PUI-17810	Fixed: Common security issue. For more information about this security issue, see CVE-2021-4104 on the Common Vulnerabilities and Exposures (CVE) information website (cve.org).

5.2.0.a (July 2017)

IBM XCLI Utility 5.2.0.a resolved the following compatibility issue.

Ticket ID	Description
PUI-13473	Fixed: The IBM XCLI Utility installation on Windows 10 fails with an error message.

5.2.0 (June 2017)

IBM XCLI Utility 5.2.0 updates the supported Java version to 7 update 131, and thereby resolves security issues in the previously supported Java version. In addition, IBM XCLI Utility 5.2.0 introduces an important usability enhancement, as listed in the following table.

Ticket ID	Description
PUI-12222	Enhancement: The font size in the XCLI Utility window is now customizable. To increase the font size, press CTRL+ . To decrease the font size, press CTRL- .
PUI-12015	Enhancement: The supported Java version is updated to 7 update 131. This Java version resolves security issues in the previously supported Java version.

5.1.0 (November 2016)

IBM XCLI Utility 5.1.0 introduced a number of security enhancements and resolves a few miscellaneous issues, as listed in the following table.

Ticket ID	Description
UI-265822	<p>Enhancement: The direct command line login in the XCLI Utility can now be disabled. To disable it, in the GUI12\xiv-general.properties file, do one of the following:</p> <ul style="list-style-type: none">• Change the value of the parameter xcli_direct_login_enabled to false• Add the string xcli_direct_login_enabled=false <p>Note: Prior to modifying the xcli_direct_login_enabled parameter, make sure that the XIV GUI is closed. Otherwise, the changes will not be applied.</p> <p>If the direct login is disabled, all direct authentication attempts will fail (command line arguments -u and -p are prohibited).</p>
UI-265821	<p>Enhancement: If the credentials file is created with the --protect argument, only the user running the command has read/write permissions to this file. No permissions are granted to any other user.</p>
UI-265820	<p>Enhancement: Starting from version 5.1, user passwords are not retained in XCLI or GUI log files.</p>
UI-265819	<p>Enhancement: Weak cryptographic algorithms used for obfuscation of user credentials in previous versions have been thoroughly enhanced and strengthened.</p>
UI-265818	<p>Security enhancement: User credentials are now required every time when launching the XCLI Utility or XIV Top from the XIV GUI.</p>

Limitations

Currently there are no functional limitations in IBM XCLI Utility 5.5.4.

Known issues

Currently there are no known issues in IBM XCLI Utility 5.5.4.

Getting information, help, and service

If you need help, service, technical assistance, or want more information about IBM products, you can find various sources to assist you. You can view the following websites to get information about IBM products and services and to find the latest technical information and support.

- [IBM website](http://ibm.com) (ibm.com®)
- [IBM Support](http://ibm.com/mysupport) (including service requests and PMRs) (ibm.com/mysupport)
- [IBM Directory of Worldwide Contacts website](http://ibm.com/planetwide) (ibm.com/planetwide)

Use the Directory of Worldwide Contacts to find the appropriate phone number for initiating voice call support. Voice calls arrive to Level 1 or Front Line Support.

Related information and publications

You can find additional information and publications related to the IBM XCLI utility on the following information sources:

- [IBM FlashSystem A9000R documentation](http://ibm.com/docs/en/flashsystem-a9000r) (ibm.com/docs/en/flashsystem-a9000r)
- [IBM FlashSystem A9000 documentation](http://ibm.com/docs/en/flashsystem-a9000) (ibm.com/docs/en/flashsystem-a9000)
- [IBM XIV Storage System documentation](http://ibm.com/docs/en/xiv-storage-system) (ibm.com/docs/en/xiv-storage-system)
- [IBM Spectrum Accelerate documentation](http://ibm.com/docs/en/spectrum-accelerate) (ibm.com/docs/en/spectrum-accelerate)
- [IBM Storage Redbooks® website](http://redbooks.ibm.com/portals/storage) (redbooks.ibm.com/portals/storage)

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