
DATA SHEET**NET EXPRESS AND SERVER EXPRESS 5.1 WRAP****PACK 7**

The Net Express and Server Express product line has been the mainstay for enterprise application development and deployment globally for more than a decade. This highly productive development environment is tailored specifically to meet the needs of COBOL application developers. In combination with a portable deployment system that offers robust and high-performance code execution, Net Express and Server Express enable IT delivery organizations to focus on the value that IT brings to the business.

The latest new release of the world's most popular distributed COBOL platform adds support for the latest versions of UNIX and Linux operating systems, and now includes the Oracle Linux platform, updated J2EE application server support and includes several enhancements and incorporates over 150 customer requested fixes.

SELECTED NEW FEATURES AND UPDATES**Improved runtime performance and stability**

A new runtime tunable, `subsystem_cancel_mode`, provides the ability to retain or remove loaded programs from memory allowing application server administrators to tune systems for improved memory or CALL performance.

Improved resource pooling reduces the likelihood of resource deadlocks during peak loads for application server deployments.

With a number of memory leaks resolved in the OO base class library and runtime APIs, the runtime is leaner and more robust than ever before.

Compilation and Runtime error checking

Descriptive and accurate error messages help developers home in on issues quickly. The Micro Focus COBOL compiler features multiple improvements to its error processing support ensuring that valuable development time isn't wasted.

Improvements have been made to the following areas:

- Error location and reporting information
- Error detection for erroneous code statements, such as missing copybooks or illegal ODO items
- Error detection for unsupported functionality, such as use of National edited fields
- Flagging for Enterprise COBOL dialect, such as use of COMP-5
- Error messages when working in a Japanese environment
- New documentation for causes of compiler error messages, such as boundary violations
- Announcing the SSRANGE directive - for compile time and runtime checking of subscripts, indexes and reference modified items

For more information visit: <http://kb.microfocus.com/display/4/kb/article.aspx?aid=35161>

MFSORT enhancements for DFSORT & ICETOOL compatibility

Functionality for one of the most essential utilities continues to be improved offering increased compatibility when using DFSORT features and giving greater flexibility over report generation.

DFSORT emulation includes increased support for the following DFSORT functions:

- COUNT
 - XSUM
 - UTOL, LTOU and ALSEQ
 - NODETAIL
 - SKIP
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New features include:

- Continuation comments now supported within SORT card
- SUBSYS now supported
- NUM now supported
- DATE now supported in OUTREC header and footer

Mainframe dialect compatibility

- Initializing nested tables are now supported for the BS2000 dialect
- Enterprise COBOL applications is flagged where data items exceed 31 characters
- CALL BY CONTENT is now supported for Enterprise COBOL applications

Net Express development environment

The Net Express integrated development environment provides COBOL developers with a rich and productive environment for COBOL application development. This release sees several enhancements to both the COBOL data tools and support for accessing Net Express projects stored on the network.

Enhancements to the Data Tools include:

- Support for ODO items in the Data File Editor when using the IBMCOMP directive.
- Support for redefined items in record layouts.
- Support for invalid numeric data when converting PIC 9 fields from EBCDIC to ASCII.

Net Express projects and source files can now be stored on centralized servers and accessed using standard UNC shares allowing multiple developers to maintain a single repository of files.

Web Services support for custom HTTP headers

Application developers can now specify custom HTTP headers in the SOAP envelop of a web service response. These headers can be used for a variety of scenarios but in many cases allow COBOL web service clients to connect to web service systems that make use of proprietary HTTP information stored in the header. This support allows COBOL clients to access an even wider range of web services.

Details of how to use this support are available in this knowledge base article: <http://kb.microfocus.com/display/4/kb/article.aspx?aid=35161>

Platforms Supported by Server Express

AIX on IBM System p	
Version	32/64-bit Support
5.3	32/64
6.1	32/64
7.1	32/64

HP-UX on PA-RISC		HP-UX on IA64	
Version	32/64-bit Support	Version	32/64-bit Support
11.11	32/64	11.23	32/64
11.23	32/64	11.31	32/64
11.31	32/64		

Solaris on Intel		Solaris on Sparc	
Version	32/64 Bit Support	Version	32/64 Bit Support
10	32/64	9	32/64
11	32/64	10	32/64
		11	32/64

RedHat on Intel		RedHat on IBM System z
Version	32/64 Bit Support	Version
4	32/64	5
4	32	6.2
5.8	32/64	
6.2	32/64	

Oracle on Intel	
Version	32/64-bit Support
6.2	32/64

SuSE on Intel		SuSE on IBM System z
Version	32/64 Bit Support	Version
10	32/64	10
10 SP4	32/64	11 SP1
10 SP4	32	
11 SP2	32/64	

Platforms supported by Net Express

Windows

- > Windows Server 2003 R2
- > Windows 2000
- > Windows Server 2008
- > Windows Server 2008 R2
- > Windows 7
- > Windows Vista
- > Windows XP

Supported J2EE Application Servers

- > Weblogic 9.2, 10.3.5
- > Websphere 6.1, 7.0, 8.0
- > JBOSS 4.2, 5.1

For more information about this release

Full details of the release can be found on SupportLine.

FOR MORE INFORMATION

Find out more about Net Express/Server Express 5.1 at www.microfocus.com/products/micro-focus-developer/netexpress_serverexpress/

For additional information please visit: www.microfocus.com