

# Inform

## FUJITSU Software BS2000 Service Pack 19.2 Innovations

### General information about BS2000 Service Packs

As of 2019, new functions and corrections for BS2000 and openSEAS software products will be released bundled on two dates a year as part of Service Packs:

- New Correction versions are delivered with the Service Packs
- New product versions can be obtained from the release of the Service Pack

This document gives you an overview of the innovations with Service Pack 19.2.

Detailed information on the function enhancements of the individual products can be found on the manual server in the corresponding release notes and manuals.

### Innovations with Service Pack 19.2

General release: November 29, 2019

Product or component	function enhancements
APACHE V2.4	<ul style="list-style-type: none"><li>■ Rebasing to Apache 2.4.41</li><li>■ Rebasing to Perl 5.24.4</li></ul>
BS2IDE Release 2.9.0 <sup>(2)</sup>	<ul style="list-style-type: none"><li>■ Comparison function for files in the BS2000 Remote Build Project with its "Delegate"</li><li>■ Output of the same details in the Expressions View as in the Variables View.</li><li>■ Set of BS2000 Watchpoint also from Expressions View (currently only from Variables View)</li><li>■ Grouping of RSE filters within user-defined folders</li><li>■ Support of user-defined element types</li><li>■ Definition of standard editors for any file pattern</li></ul>
C/C++ V4.0 <sup>(1)</sup>	<ul style="list-style-type: none"><li>■ Support of current standards</li></ul>
CONV2PDF V1.0C	<ul style="list-style-type: none"><li>■ Enhanced file selection when converting text to PDF files</li></ul>
CRTE V10.1 <sup>(*)</sup> / V11.1 <sup>(1)</sup>	<ul style="list-style-type: none"><li>■ Adaptations for the extensions in C/C++ V4.0 and JENV V8.1</li></ul>

Product or component	function enhancements
HSMS V12.0 <sup>(1)</sup>	<ul style="list-style-type: none"> <li>■ Introduction of a new archiving type Version backup               <ul style="list-style-type: none"> <li>- File-specific can be defined how many versions of a file are to be saved in the version backup archive.</li> <li>- Specify a protection period for files deleted from the pubset.</li> </ul> </li> <li>■ Extended use of disk or net storage as backup media</li> <li>■ New Parameter KEEP-REQUEST in the MODIFY-HSMS-PARAMETERS Statement</li> <li>■ The HSMS version is also output to the OPS variable in the SHOW-HSMS-PARAMETERS.</li> </ul>
INETSERV V3.4B03	<ul style="list-style-type: none"> <li>■ BIND: Rebasing to V9.11.11</li> <li>■ openSSH: Rebasing to V8.0</li> </ul>
JENV V8.1B	<ul style="list-style-type: none"> <li>■ Rebasing to openJDK 8 with current Security Updates</li> </ul>
openUTM V7.0 <sup>(1)</sup>	<ul style="list-style-type: none"> <li>■ Enhanced connectivity: UTM applications can act as http servers               <ul style="list-style-type: none"> <li>- UTM applications can be addressed directly via the http protocol</li> <li>- The result can be also returned directly to the caller via the http protocol.</li> </ul> </li> <li>■ Security:               <ul style="list-style-type: none"> <li>- Renunciation of own encryption algorithms in favor of generally available solutions</li> <li>- Support of communication with ENCRYPTION-LEVEL 5 between client and application</li> </ul> </li> <li>■ openUTM-WebAdmin AddOn in SE Manager supports the new features</li> </ul>
POSIX-BC V10.0A45 / V11.0A45	<ul style="list-style-type: none"> <li>■ Extension of the number of characters in EXEC-POSIX-CMD up to 1500</li> </ul>
ROBAR V7.6 <sup>(1)</sup>	<ul style="list-style-type: none"> <li>■ Enhancements to the Web User Interface</li> <li>■ Additional status for the instances</li> <li>■ Introduction of a parameter for controlling the output of messages / warnings</li> </ul>
SM2-WEB V11.0B	<ul style="list-style-type: none"> <li>■ Port and controller specific storage measuring data</li> <li>■ Provision of report views for other users</li> <li>■ Further reports available on openSM2 Manager - according to the Classic Reports in the Inspector</li> </ul>

(1) these new product versions are not part of SP 19.2, but can be obtained from the release of the Service Pack. Please contact your Fujitsu sales representative.

(2) BS2IDE Release 2.9.0 is available for download from the release of the Service Pack under <http://bs2000.ts.fujitsu.com/bs2ide> via the personal access data.