Release Notes

Building Integration System (BIS) Version 4.1.2

These release notes are intended to acquaint you with your new software version as quickly as possible.

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# Installation Notes

## 1.1 Supported operating systems

The BIS system runs on these operating systems:

<table>
<thead>
<tr>
<th></th>
<th>BIS Login Server</th>
<th>BIS Connection Servers</th>
<th>BIS Client</th>
<th>BIS VIE Client</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows 7 SP1 (32 bit) Professional or Enterprise</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Not recommended</td>
</tr>
<tr>
<td>Windows 7 SP1 (64 bit) Professional or Enterprise</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Windows 8.1 (32 bit) Professional or Enterprise</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Not recommended</td>
</tr>
<tr>
<td>Windows 8.1 (64 bit) Professional or Enterprise</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Windows Server 2008 R2 SP1 (64bit) Standard or Datacenter (*)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Windows Server 2012 R2 SP1 (64bit) Standard or Datacenter (*)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

(*) Not as domain controller

## 1.2 Server

The following are the hardware and software requirements for a BIS server:

<table>
<thead>
<tr>
<th></th>
<th>Supporting Software</th>
<th>Minimum hardware requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supporting Software</strong></td>
<td>IS 7.0 or 7.5 <strong>Note:</strong> not necessary on BIS connection servers</td>
<td>Intel i3 processor or higher. Intel Core 2 Duo 2.66 GHz (Dual Core) or greater</td>
</tr>
<tr>
<td></td>
<td>Internet Explorer 9, 10 or 11 in compatibility mode</td>
<td>4 GB RAM (8 GB recommended)</td>
</tr>
<tr>
<td></td>
<td>.NET 2.0, .NET 3.51 and .NET 4.0</td>
<td>80GB of free hard disk space</td>
</tr>
<tr>
<td></td>
<td>Latest drivers and OS updates are highly recommended.</td>
<td>VGA graphics adapter with 256 MB RAM, a resolution of 1280 x 1024 and at least 32k colors</td>
</tr>
<tr>
<td></td>
<td></td>
<td>100 Mbit/s Ethernet card (PCI)</td>
</tr>
</tbody>
</table>
### 1.3 Client

The following are the hardware and software requirements for a BIS client.

| Supporting Software | ASP.NET  
IIS 7.0 and 7.5  
Internet Explorer 9, 10 or 11 in compatibility mode  
(Note: The SEE client requires IE 9.0)  
.NET 2.0, .NET 3.51 (for Video Engine with DIBOS), and .NET 4.0 |
|---------------------|---------------------------------------------------------------|
| Minimum hardware requirements | Intel i3 or higher, Intel Core 2 Duo 2.66 GHz (Dual Core) or greater  
4GB RAM (8 GB recommended)  
20GB free hard disk space  
Graphics adapter with 1280 x1024 resolution, 32k colors, 256MB dedicated memory with OpenGL 1.2 or later  
100 Mbit/s Ethernet card |
| Additional minimum requirements for VIE (Video Engine) clients | No Windows Server operating systems  
Intel i5 processor or higher  
For camera sequencing, virtual matrix or Multiview add 4GB RAM  
Latest video drivers are highly recommended. Use the Windows dxdiag tool to make sure drivers are no more than 1 year old. |

### 1.4 Updating BIS to Version 4.1.*

The setup program identifies any currently installed version of BIS.

- If setup detects a version equal to or older than BIS 3.0 then the upgrade process is aborted. Setup will prompt you for permission to remove the older and install the new version, but preserving the existing customer configurations.
- If the setup program identifies a currently installed version of 4.0 or higher, then the update will proceed as normal, preserving all customer-specific files and configurations on the same computer. These will be available again upon successful completion.
2 New features in version 4.1.2

2.1 Platform

2.1.1 Turkish language
The BIS user interface (UI) is now available in the Turkish language on all supported operating systems.

The installation program will modify the option 'Language for non-Unicode programs' under the regional settings to 'Turkish'. The system locale for non-Unicode programs is changed so that BIS UI can display the Turkish letters correctly. Turkish keyboard can be enabled from the control panel language settings.

Constraints:
- Both BIS client and server have to run under the Windows operating system in English.
- Language packs should not be installed.
- Regional and language settings should not be modified manually, apart from those mentioned above.
- Windows default buttons and dialogs will appear in English.
- The character ‘ı’ is not treated by BIS as a capitalization of the letter ‘i’, but as a different character. Similarly, ‘İ’ is not treated as a capitalization of ‘ı’.
- Use care and wildcards when searching BIS/ACE data.

2.1.2 New BIS Proxy DA OPC server
A new OPC server is available with this version that will allow 3rd party systems to connect to a BIS system in order to receive state changes, and allow the 3rd party systems to send commands to those BIS addresses that are exported, i.e. made visible to OPC. The BIS license “Multi-Server Connect per Server” is required to activate this feature. The feature is language-independent i.e. it is possible to send commands to BIS installations running any supported languages.

Constraints:
- Only OPC commands are forwarded to the 3rd party system.
- Alarms are not forwarded, therefore commands that affect messages are not executed (e.g. Set State with the attribute auto-acknowledge (German: AutoQuittung))

2.2 Video Engine

2.2.1 New devices tested for use in BIS 4.1.2:
- VIDEOJET multi 4000
2.2.2 EOL information:
- DIBOS OPC Server will no longer be supported but can be used at the user's own risk

2.3 Access Engine

2.3.1 ACE Application Programming Interface (API) for events and commands
An API client is able to receive event messages from the Access Control System (ACS) online. The status of ACS hardware can be retrieved. Multiple API clients can give control commands to the ACE/MAC (e.g. Unlock door once, Unlock door long-term). For this purpose a control class of objects/methods for ACE commands is now provided. For more details see documentation “ACE API.pdf” or “W32_ACEInterface.chm”.

3 Resolved issues in BIS version 4.1.2

3.1 Platform

State dialog in configuration browser improved to allow better handling of deleted and modified states (TFS 127130)
The dialog will handle the re-creation of existing state information.

Tooltip of long parameter no longer freezes the BIS client (TFS 127129)
Tooltip display is now limited to the first 256 characters of the string

Hyperlink detector mapping improved (TFS 126160)
Hyperlinks that have been removed from a floor plan, but are still in the configuration, will no longer lead to inconsistent behavior.

Tool to reset Mgts-SSRSViewer password (TFS 126821)
A tool is now available to reset the Mgts-SSRSViewer user password:
BIS-SSRSPasswordResetTool.EXE

Custom plugin framework for configuration browser made compatible with ACE synchronization process (TFS125821)
Plugin will function properly also when ACE data synchronization is performed

No configuration browser pop-up warning for detector placement screen (TFS 127124)
The browser no longer gives unnecessary warnings at the detector placement screen when a PNG or JPG file is assigned to root location.

Operator help describes appropriate text for layer enable/disable (TFS 128622)
The operator help correctly describes the layer-enable/disable icon

3.2 Video Engine

Scrollbar added to favorites list (TFS 126366)
Scrollbar will appear when the favorite list grows beyond size of window.

VSDK OPC server will automatically reconnect when BRS is available online (TFS 106313)
Upon network interruption to BRS, or reboot of BRS, the OPC will disconnect from BRS. When the BRS comes back online the VSDK-OPC [v2.2.0.0] will reconnect to BRS.

Documentation added on how to setup 3rd party cameras (TFS 129070)
The Video Engine help file has been enhanced to describe the process to set-up a 3rd party camera. For example PELCO dome cameras with VIDEOJET multi 4000
3.3 Access Engine

Behavior of ImportExport Tool (TFS 130512, 116855, 119807, 129176, 116212)
Cards can be changed with one single import. A flag has been added to work with only one card to reinstate the behavior of previous versions. Text replacement works as in previous versions (step 3 and step 4 of import).

Special Days described incorrectly (TFS 128624)
The documentation has been corrected. Priorities are only used in the case of two special days with the same date. Special days with priority “0” are deactivated.

Improved handling of PegaSys logbook cards (TFS 120043)
PegaSys logbook cards can now be written without stopping the dialog manager.

Audit log settings (TFS 132121)
Documentation now includes information about how to change the retention time. Information about required disk space has been added.
4 Known issues in BIS version 4.1.2

BIS Configuration Browser will crash when the attribute DetectorType is empty (126650)
Do not leave DetectorType empty in OPC group items

BIS Erroneous message in error log (126481)
Pvw ERROR: EnablePrivilege(SE_DEBUG_NAME) failed! ('MgtS-Service' is possibly not member of group 'Administrators') AppName=Parametrierungsserver, GetLastError()=Not all privileges or groups referenced are assigned to the caller. This information message can be ignored.

ACE documentation of door model signals (129504)
It is not documented that push buttons are only available in door models with one reader

ACE Web Interface for parking, visitor and attendance lists do not support Unicode (126643)
ACE Web Interface can only be used with ASCII-128 characters

ACE Reports have badly formatted headlines (131894)
Headline is illegible

ACE Pegasys access rights do not work as expected (133352)
In some cases employee cards are not updated correctly when access rights are removed. Access rights should be assigned in cards instead of authorizations.

ACE Pegasys “Check Card” function is not possible if we use CSN (132267)
Card Serial Number should not be used with Pegasys