

K2 blackpearl 4.6.5 (4.12060.1550.0)

New Feature	
Feature	Description
New Wizards	<p>SmartWizards: Allows for rapid development of custom wizards. The new SmartWizard framework allows for a declarative (XML) structure of wizards using SmartObjects. All future K2 out of the box wizards will use this framework, and can be used by you to easily extend the platform with your own custom wizards. Note: SmartWizards only apply to K2 blackpearl in this release. Refer to the following documentation:</p> <ul style="list-style-type: none"> - <i>Developer Reference > Extending the K2 Platform > Creating Custom SmartWizards</i> <p>CRM 2011 Wizards: The following CRM 2011 wizards have been added to K2 Studio, K2 Designer for SharePoint and K2 Designer for Visual Studio and use the new SmartWizard framework:</p> <ul style="list-style-type: none"> - Create CRM Entity Item - Update CRM Entity Item - Delete CRM Entity Item - Get Reference <p>Refer to the following documentation:</p> <ul style="list-style-type: none"> - <i>K2 blackpearl > Designing > Designers > K2 Designer for Visual Studio > Design Tools > Toolbox > Event Wizards > CRM Event Wizard > CRM 2011 Event Wizards</i>
New Context Browser item	<p>View Flow URL: New item in the context browser allows for easy access to the View Flow URL in processes, without having to construct it yourself. For more information refer to the following documentation:</p> <ul style="list-style-type: none"> - <i>K2 blackpearl > Designing > Designers > K2 Designer for Visual Studio > Design Tools > Object Browser > Workflow Context Browser > Process Instance</i> - <i>Developer Reference > Processes > Accessing > Accessing the View Flow URL through the SourceCode.Workflow.Client API</i> - <i>Developer Reference > Services Reference > K2 Services > REST Services > Worklist Service > Worklist/Items > Accessing the View Flow URL with the REST service</i> - <i>Developer Reference > Services Reference > K2 Services > WCF Services > Accessing the View Flow URL with the WCF service</i> - <i>KB001381 - How to use View Flow as a hyperlink in a SharePoint List</i>

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New Feature	
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New Service Brokers	Endpoint Service Brokers provide the ability to build Service Objects and SmartObjects for Assemblies, Web services and WCF endpoints by registering them in Workspace. <ul style="list-style-type: none">- <i>K2 blackpearl > Management and Administration > Workspace Management > Management Console > SmartObject Services > SmartObject Services > Endpoint Service Broker</i>
New K2 Service Method	The ReleaseWorklistItem method has been added to K2 Services. For more information see: <ul style="list-style-type: none">- <i>K2 blackpearl > Developer Reference > Services Reference > K2 Services</i>

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Enhancements	
Feature	Description
Enhanced Exchange Integration	<p>Installer: The installer has been enhanced to detect if Exchange in an environment has Autodiscover enabled. This allows the installer to access all the required settings like the EWS URL to seamlessly configure the Exchange integration and allows for the configuration of Exchange On-premises and Exchange Online. The installer has also been enhanced to allow for the TLS encryption to be set.</p> <p>Microsoft Exchange 2013: K2 blackpearl can now integrate with Microsoft Exchange 2013 On-premises or Microsoft Exchange Online. K2 SmartActions with Office 365 Exchange Online support is included through the installer configuration.</p> <p>Authenticated SMTP: The Mail event and Escalations have been improved to use authenticated SMTP. The SMTP settings configured in the installer will be used. This will ensure that SmartActions, Notifications, Escalations and the Mail event all use authenticated SMTP in the same way.</p> <p style="text-align: center;">- KB001385 - Understanding changes made to Exchange Integration in K2 4.6.5</p>
Optional Parameters for SmartObjects	<p>A feature has been added in the SmartObject framework to allow for optional parameters. For the SQL Server Service Broker, all stored procedure parameters are now added as either optional or required parameters rather than as properties. A new configuration setting, called <i>Use parameters for stored procedures</i>, allows for stored procedure parameters to be added as method parameters.</p> <p>The following applies when using the <i>Use parameters for stored procedures</i> setting on the Service Instance Configuration screen and having used stored procedure parameters prior to K2 blackpearl 4.6.5:</p> <ul style="list-style-type: none"> • The default value of the <i>Use parameters for stored procedures</i> setting is 'true' • When creating a new instance, the default value will be applied which results in 'true' • When refreshing an instance, the existing value configured for the instance will be used. If configured prior to K2 blackpearl 4.6.5, the value will be blank/null which will result in 'false' • When editing an instance, the value can be changed if required or the default value will be applied, which is 'true'. WARNING: This may change your Service Objects, so be sure to test your solutions upon editing existing Service Objects. You may change it back to 'false' if there are negative impacts on your SmartObjects, which will change it back to the prior behavior. <p>To configure this functionality refer to the following documentation:</p> <ul style="list-style-type: none"> - <i>K2 blackpearl >Designing>Designers>K2 Studio>Working with SmartObjects>SmartObject Integration>SmartObject Methods Toolbar>Add SmartObject Methods>Method Parameters</i> - <i>K2 blackpearl >Designing>Designers>K2 Studio>Working with SmartObjects>SmartObject Integration>SmartObject Integration with K2 Events</i> - <i>K2 blackpearl >Designing > Designers > K2 Designer for SharePoint > Design Tools > Navigation Ribbon > SmartObjects > SmartObject Wizards > Custom SmartObject Wizard</i>

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Software Support																																								
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.NET Framework 4.0 mode by default	<p>New installs will default to .NET Framework 4.0 mode for K2 Server, and new options will be available in K2 Studio to use .NET 4.0 by default. The below matrix shows which .NET Framework version the K2 components run on.</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr style="background-color: #92d050;"> <th style="padding: 5px;">Component</th> <th style="padding: 5px;">.NET 3.5 Framework SP1</th> <th style="padding: 5px;">.NET 4.0 Framework</th> <th style="padding: 5px;">.NET 4.5 Framework</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">K2 Setup Manager</td> <td style="text-align: center; padding: 5px;">•</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">K2 Server</td> <td style="padding: 5px;"></td> <td style="text-align: center; padding: 5px;">•</td> <td style="text-align: center; padding: 5px;">•</td> </tr> <tr> <td style="padding: 5px;">K2 Database</td> <td style="text-align: center; padding: 5px;">•</td> <td style="text-align: center; padding: 5px;">•</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">K2 Studio</td> <td style="text-align: center; padding: 5px;">•</td> <td style="text-align: center; padding: 5px;">•</td> <td style="text-align: center; padding: 5px;">•</td> </tr> <tr> <td style="padding: 5px;">K2 Designer for Visual Studio</td> <td style="text-align: center; padding: 5px;">•</td> <td style="text-align: center; padding: 5px;">•</td> <td style="text-align: center; padding: 5px;">•</td> </tr> <tr> <td style="padding: 5px;">K2 Designer for SharePoint</td> <td style="text-align: center; padding: 5px;">•</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">K2 for Reporting Services</td> <td style="text-align: center; padding: 5px;">•</td> <td style="text-align: center; padding: 5px;">•</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="padding: 5px;">K2 Workspace</td> <td style="text-align: center; padding: 5px;">•</td> <td style="padding: 5px;"></td> <td style="padding: 5px;"></td> </tr> </tbody> </table> <p>For more information see the following documentation:</p> <ul style="list-style-type: none"> - <i>K2 blackpearl>Designing > Designers > K2 Designer for Visual Studio > Considerations > .NET Framework in K2 for Visual Studio 2012</i> - KB000686 – How to change .NET Framework Versions 			Component	.NET 3.5 Framework SP1	.NET 4.0 Framework	.NET 4.5 Framework	K2 Setup Manager	•			K2 Server		•	•	K2 Database	•	•		K2 Studio	•	•	•	K2 Designer for Visual Studio	•	•	•	K2 Designer for SharePoint	•			K2 for Reporting Services	•	•		K2 Workspace	•			.NET Framework 4.0
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Microsoft Visual Studio 2012 support	<p>Microsoft Visual Studio 2012 support for the K2 Designer for Visual Studio is now included with 4.6.5.</p> <ul style="list-style-type: none"> - If you already have the K2 for Visual Studio 2012 1.0 (4.12070.1.0) additional component installed, the K2 4.6.5 installer will upgrade the component and uninstall the K2 for Visual Studio 2012 Setup Manager from the system. - If the additional component is not installed at the time of upgrading the K2 Setup Manager must be rerun from the installation folder after the upgrade selecting modify which allows you to select the K2 for Visual Studio 2012 component to install. - <i>For more information see K2 blackpearl> Designing > Designers > K2 Designer for Visual Studio</i> 	Microsoft Visual Studio 2012
Microsoft InfoPath 2013	Added support for Microsoft InfoPath 2013 (in 2010 compatibility mode)	InfoPath 2013
Microsoft Exchange 2013	Added support for Microsoft Exchange 2013 (On-premises and Online)	Microsoft Exchange 2013
SharePoint 2013 support	<p>K2 for SharePoint 2013 in SharePoint 2010 Mode: If you have upgraded to SharePoint 2013 but are running your sites in SharePoint 2010 mode, support has been added to allow your existing K2 assets to keep on functioning.</p> <p>See KB001380 – Migrating from SharePoint 2010 to SharePoint 2013 for more details.</p>	SharePoint 2013