

K2 blackpearl 4.6.9 (4.12060.1640.1)

New Features	
Feature	Description
SmartObjects	<p>Comments and Attachment API and SmartObjects: The Comments and Attachment API and SmartObjects have been added to the K2 framework. The SmartObject's CREATE and GETLIST methods are exposed for use in workflows, in code design and can be added to Views in SmartForms. For more information see the following:</p> <ul style="list-style-type: none"> - How to use the Workflow Attachment and Workflow Comment SmartObjects in SmartForms - How to use the Workflow Comment and Workflow Attachment SmartObjects in K2 for SharePoint - K2 blackpearl Developer Reference - Working with Comments and Attachments <p>New SmartObject property types: Two new SmartObject property types have been added to SmartObjects namely <i>Date</i> and <i>Time</i>. This caters for scenarios where timelessness is required by just using the physical date. By separating the properties it is easier to deal with the Date/Time as separate entities on the server that needs to be converted or adjusted to accommodate for various scenarios such as daylight saving, expressions and time zones.</p>

Enhancements	
Feature	Description
K2 Notifications	<p>Default Email Template: The default K2 notification email template's look and feel has been updated and is now similar to the custom notification email. Further enhancements include the automatic addition of Actions to the email body if SmartActions has been enabled. The Serial number has also been added to the footer of the email template.</p>
K2 Package and Deployment	<p>Package and Deployment: Enhancements to Package and Deployment include SmartObject deployment and the ability to merge Forms or Views for secondary deployment.</p>
API changes	<p>Managing Eventbus logging tables: A maintenance script has been added to the K2 Database named <i>Utility.Maintain_CleanCompletedInstancesFromEventbus</i> that can be used to clean up the Eventbus Logging tables when they grow to the maximum limit and stops loading. The script needs to be run manually by the database administrator. For more information refer to:</p> <ul style="list-style-type: none"> - K2 blackpearl Developer Reference – EventBus Logging Cleanup

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Enhancements	
Feature	Description
SmartWizard Improvements	<p>SmartObject mapping element: The AsyncServerEvent SmartObject mapping element has been added to the SmartWizard XML Schema which allows you to put a workflow in an active or sleep state similar to the server events which requires a prompt before the event can continue.</p>
Installer	<p>Consolidated Configuration files: A number of configuration files have been consolidated to ensure that the configuration is kept in a central place and that it is easily accessible and configurable. On upgrade to K2 4.6.9 the existing environment configuration is preserved and is added to the new consolidated files. For a full list of the consolidated files see the following:</p> <ul style="list-style-type: none"> - KB001637 - Configuration file consolidation in K2 blackpearl 4.6.9 <p>.NET Framework 4.5 required: The K2 Manager Setup now requires .NET Framework 4.5 to run the install files.</p>

Software Support		
Feature	Description	Prerequisite
Internet Explorer 11	<p>Support for Internet Explorer 11 has been added. K2 Workspace must be run in IE 11 compatibility mode. For configuration details see :</p> <ul style="list-style-type: none"> - KB001578 - Internet Explorer 11 workaround to allow K2 Workspace and K2 Process Portals to render correctly 	Internet Explorer 11
Microsoft Azure Active Directory (AAD)	<p>Support for Azure Active Directory has been added.</p>	Microsoft Azure Active Directory
Microsoft Dynamics CRM 2015	<p>K2 blackpearl now supports CRM 2015</p>	Microsoft Dynamics CRM 2015