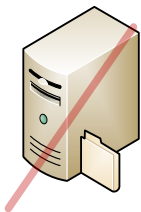




Inobits Migration Toolset for K2

Inobits has taken the lead in the migration of K2.net 2003 platforms to the K2 blackpearl™ environment. Inobits has developed the **Inobits Migration Toolset for K2** to assist organizations to successfully migrate from their existing K2 operating environments to their new K2 environments. The toolset includes 4 different utilities that can be used to address the different migration interventions. The toolset accelerates the migration process exponentially and cut down substantially on the time and effort needed to execute a typical migration from the previous K2.net 2003 environment to the latest version of K2 blackpearl™. Below is an illustration that outlines the migration environment and the application of the **Inobits Migration Toolset for K2**:

K2 blackpearl™ migration utility With Inobits Migration Toolset for K2 Illustration



Decommission K2.net 2003 Server after migration



K2DataChanger Utility

With this utility to can replace old values in Process Data Fields (Active Process Instances) with new values.

e.g. urls in Process Data Fields.

Active (In-Flight) Process Instances will immediately be able to use the new values.

K2 blackpearl™ 0807

The Inobits Migration Toolset for K2 can be used to supplement the SourceCode K2.net 2003 to K2 blackpearl™ migration utility where:

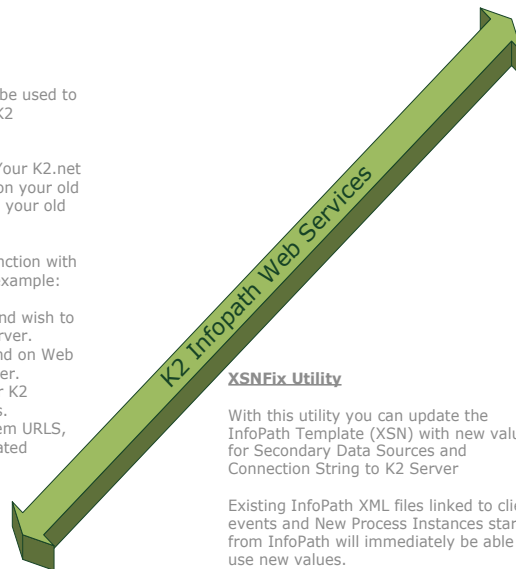
1. You have InfoPath integrated processes. Your K2.net 2003 InfoPath Web Services are running on your old K2.net 2003 server and you wish to retire your old K2.net 2003 server after migration

2. Additional Migrations are needed in conjunction with the K2 blackpearl™ migration utility, for example:

- A. You have InfoPath integrated processes and wish to move the InfoPath form library to another server.
- B. You have Processes and Forms that depend on Web Services you wish to move to a different server.
- C. You have references to assemblies in your K2 Processes which depend on migrated services.
- D. You have String Table values, Worklist Item URLS, Process Data Values etc. which point to migrated services.



SharePoint Server

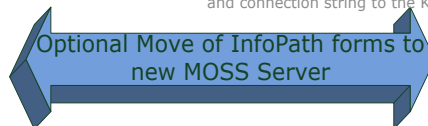


XSNFix Utility

With this utility you can update the InfoPath Template (XSN) with new values for Secondary Data Sources and Connection String to K2 Server

Existing InfoPath XML files linked to client events and New Process Instances started from InfoPath will immediately be able to use new values.

e.g. URL's for data sources to web services and connection string to the K2 server.



K2 data store

DBMigration Utility

With this utility you can replace old values with new values in the K2 and K2LOG databases.

Active (In-Flight) and New Process Instances will immediately be able to use new values.

e.g. for url's stored in String Tables, Worklist Item URL's, Field MetaData

K2AssemblyReplace Utility

With this utility you can replace Assemblies for Active Process Instances in the K2 Database with new specified assemblies

Active (In-Flight) and New Process Instances will immediately be able to use the new Assemblies.

e.g. if urls were hard-coded in assemblies



New SharePoint Server

Who needs the Inobits Migration Tool

The Inobits Migration Helper utilities can be used to supplement the SourceCode K2.net 2003 to Blackpearl migration utility for the following cases:

- You have InfoPath integrated processes. Your K2.net 2003 InfoPath Web Services are running on your old K2.net 2003 server and you wish to retire your old K2.net 2003 server after migration.
- Additional Migrations are needed in conjunction with the K2.net 2003 to K2 blackpearl™ migration, for example:
 - You have InfoPath integrated processes and wish to move the InfoPath form library to another server.
 - You have Processes and Forms that depend on Web Services you wish to move to a different server.
 - You have references to assemblies in your K2 Processes which depend on migrated services.
 - You have String Table values, Worklist Item URLs, Process Data Values etc. which point to migrated services.



Pricing

- ✚ The package of utilities is sold at \$ 5,000 [inclusive of all 4 utilities]
- ✚ Each utility can be purchased individually for \$ 1,500 each.

The Migration Tool includes the following 4 Utilities:



1. DB-Migration-Utility

With this utility you can replace old values with new values in the K2 and K2LOG databases. Active (In-Flight) and New Process Instances will immediately be able to use new values e.g. for URL's stored in String Tables, Worklist Item URL's, Field MetaData.

2. XSN-Fix-Utility

With this utility you can update the InfoPath Template (XSN) with new values for Secondary Data Sources and Connection String to K2 Server. Existing InfoPath XML files linked to client events and New Process Instances started from InfoPath will immediately be able to use new values e.g. URL's for data sources to web services and connection string to the K2 server.

3. K2-Data-Changer-Utility

With this utility you can replace old values in Process Data Fields (Active Process Instances) and/or Activity Data Fields with new values e.g. URL's in Process Data Fields and Activity Data Fields. Active (In-Flight) Process Instances will immediately be able to use the new values. This is very important if you have InfoPath processes and you moved the InfoPath Forms to a new SharePoint Server, since the URL to the temp XML file to delete after the Activity completes is held in an Activity Data Field.

4. K2-Assembly-Replace-Utility

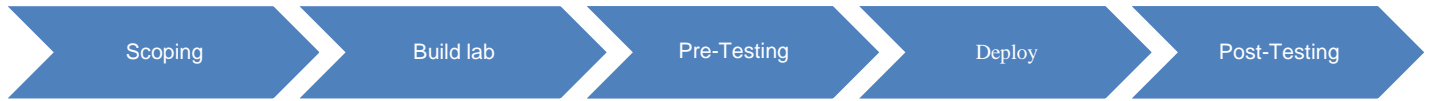
This utility replaces Assemblies for Active Process Instances in the K2 Database with new specified assemblies. Active (In-Flight) and New Process Instances will immediately be able to use the new Assemblies e.g. if URL's were hard-coded in assemblies.

Disclaimer

All K2 Databases, K2.net 2003 and K2 blackpearl™, MUST be backed up before any SourceCode or Inobits Migration Utilities are used. Inobits does not take responsibility or assume liability for any loss of data if proper procedures are not followed.

Inobits Migration Support & Consulting Packages

Inobits follows a proven methodology when executing a successful migration process:



Inobits has designed two (2) migration service packages to assist customers with the execution of a migration. The level of the migration package is determined based on criteria that will affect the migration effort such as (1) complexity of the environment, (2) number of processes, (3) number of forms (4) technical environment etc.

Inobits Migration Packages available	Level I – Basic	Level II – Advanced Customized complex migration
Criteria	This level is aimed at smaller companies or limited K2 installations (e.g. departmental) and would cover the following scenarios: <ul style="list-style-type: none"> • Non clustered K2 server • Workflow processes that do not need custom code changes - examples 1) to make required code changes in ASP.net 2) InfoPath changes & BizTalk orchestration 3) custom code in process definition 4) code changes to web services 	This level is aimed at the high end corporate/enterprise installations and would cover the following scenarios: <ul style="list-style-type: none"> • K2 servers clustered or non clustered • Workflow processes that need custom code changes – examples 1) to make required code changes in ASP.net 2) InfoPath changes & BizTalk orchestration 3) custom code in process definition 4) code changes to web services • Complex and various workflow processes, utilizing custom coding throughout. Potentially heavy dependence on external processes (SharePoint, BizTalk).
Details	<ul style="list-style-type: none"> • Assumptions (already installed applications) • SQL Server 2000 or 2005 with Reporting Services • Configured in Windows 2003 operating system • K2 2003 SP4 installed • Client Workstation available, joined to domain on arrival Client Workstation must have Visual Studio 2005 installed • New Server must have operating system already installed and joined to domain 	<ul style="list-style-type: none"> • Assumptions (already installed applications) • SQL Server 2000 or 2005 with Reporting Services • Configured in Windows 2003 operating system • K2 2003 SP4 installed • Client Workstation available, joined to domain on arrival Client Workstation must have Visual Studio 2005 installed • New Server must have operating system already installed and joined to domain
Dependencies	<ul style="list-style-type: none"> • K2 blackpearl™ v. 0807 license purchased • SQL Server 2005 with Reporting Services license purchased if running SQL Server 2000 	<ul style="list-style-type: none"> • K2 blackpearl™ v. 0807 license purchased • SQL Server 2005 with Reporting Services license purchased if running SQL Server 2000

Deliverables	<ul style="list-style-type: none"> • Analysis of current K2.net 2003 processes + environment • New production environment running K2 blackpearl™ 0807 • All existing K2 2003 process definitions and active process instances migrated. • InfoPath forms templates and associated XML files reconfigured & migrated if needed. • Existing K2.net 2003 server can be decommissioned & shut down after migration • Inobits Migration Toolset for K2 	<ul style="list-style-type: none"> • Analysis of current K2.net 2003 processes + environment • New production environment running K2 blackpearl™ 0807 • All existing K2 2003 process definitions and active process instances migrated. • InfoPath forms templates and associated XML files reconfigured & migrated if needed. • Existing K2.net 2003 server can be decommissioned & shut down after migration • Inobits Migration Toolset for K2
Objectives/Cost justification	<ul style="list-style-type: none"> • Effort and Time Savings: Potentially 4-6 weeks • Related Cost Savings: Potentially \$ 16,000 - \$ 24,000 (based on cost of \$100 per hour) 	<ul style="list-style-type: none"> • Effort and Time Savings: Potentially 4-6 weeks • Related Cost Savings: Potentially \$ 16,000 - \$ 24,000 (based on cost of \$100 per hour)
Project duration	Estimated 5 days – determined during initial scoping session.	Estimated 10 days – determined during initial scoping session.
Project Cost	\$ 15 000 - Includes: <ol style="list-style-type: none"> 1. Inobits Migration Toolset 2. 1 week (5 days consultation) 3. T & E 	\$ 25 000 – Includes: <ol style="list-style-type: none"> 1. Inobits Migration Toolset 2. 2 weeks (10 days consultation) 3. T & E 4.
Disclaimers	<ul style="list-style-type: none"> • Requirements for Technical Personnel. • Our personnel must be given Administrative access to all new and old Servers before arrival. • It is strongly recommended that our personnel be given Domain Administrator access. If this is not possible, we need to have reasonable access (approx. 1-2 hours per day) to a domain administrator for network tasking during the course of the migration, Domain Administrator will be asked to configure new Service Accounts for K2 blackpearl™ as well as Configure Authentication and Authorization in the network for all services which K2 blackpearl™ depends on. • All servers with production code, processes, process instances, etc. must have full backups done prior to arrival or we are not responsible for lost data. 	

FOR MORE INFORMATION ON THE INOBITS MIGRATION TOOLSET FOR K2

CONTACT JOHAN GROBLER AT INOBITS

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