

Data Migration Tool - Web service

Product information

Pay-per-use

Data Migration Tool - Web service

Introduction

Pay-per-use

Microsoft Dynamics™ NAV database migrations

- Are difficult and error-prone tasks
- Require extraordinary expenditures of human resources and time
- The Data Migration Tool was developed by **OctoCon AG** to
 - Facilitate the migration process
 - Eliminate errors through the assignment of standard actions which are applied for standard cases
- This approach leads to savings of up to 70% of the required resources

Data Migration Tool - Web service

Product overview

Pay-per-use

Data Migration Tool Web service

OctoCon

5 Benefits

February 2007

Improving your business

- Significantly increasing customer satisfaction
- Higher product quality at point-of-sale
- Considerably reducing time and costs for Microsoft Partners and customers
- Reducing risks due to 100% reliable detection of differences
- Better internal overview
- Strong organizational support of complete update process

Pay-per-use

Data Migration Tool Web service

Comparison of main characteristics

	Data Migration Tool	
	Company license	Web service
Max. savings	Up to 70% of previous migration costs	
Reusability of manual adaptations	Yes	Limited (code store not expandable)
Projects editable after Codeunit creation	Yes	No
Average-sized migrations required for product to pay off	5	None due to Pay-per-use

Advantages

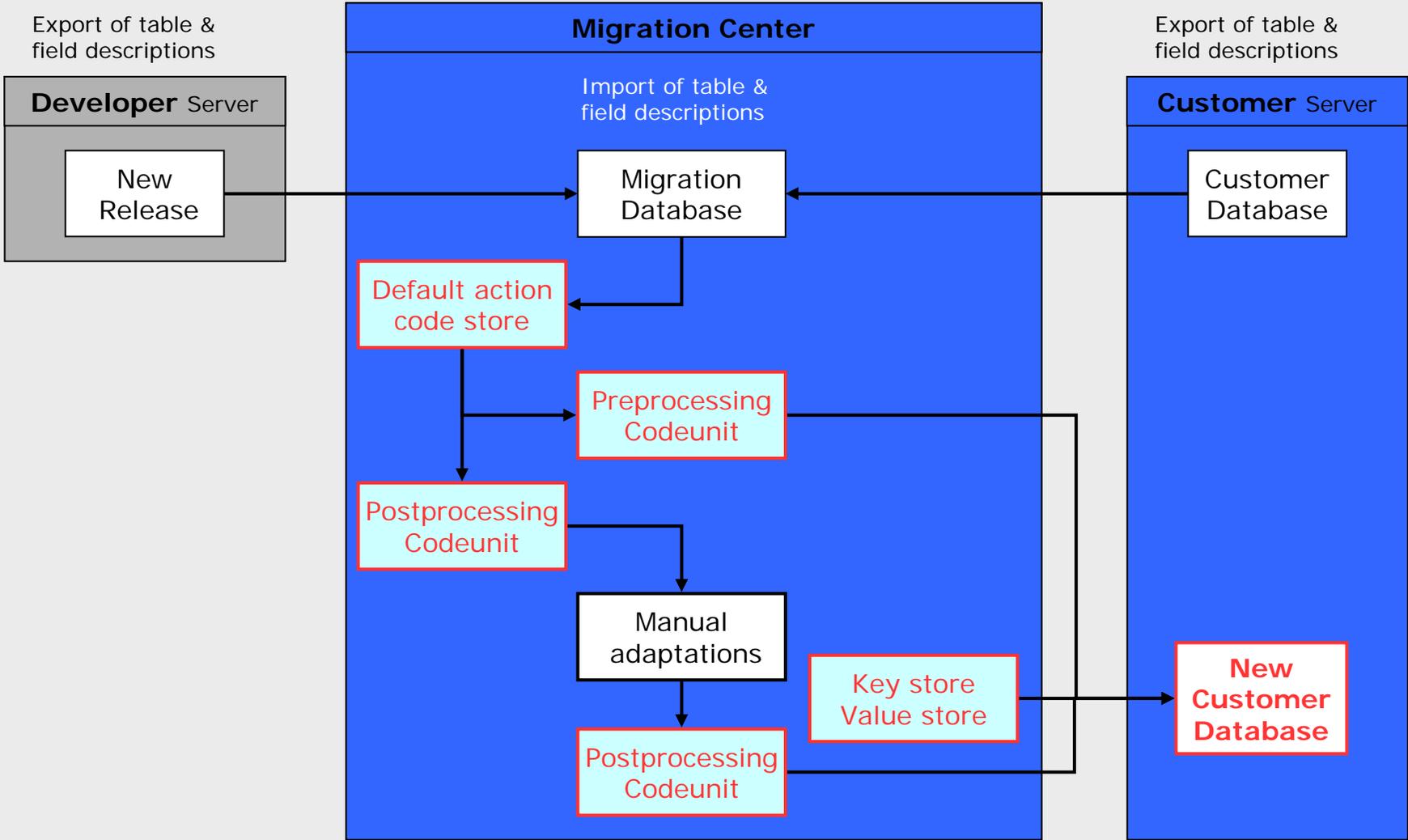
- Partners only pay for migrations which they really do for customers
- A fixed charge means security for budget planning
- No risk of purchasing a product which will not be used often enough to pay off
- Attractive migration offers can be forwarded to customers, being at a much lower price than without using the tool
- Standardized functions are already included, additional options available
- Additionally, the web application respectively the demo mode is a suitable opportunity for Partners to test the Data Migration Tool

Data Migration Tool & Web service

Product details

Pay-per-use

Data Migration Tool & Web service



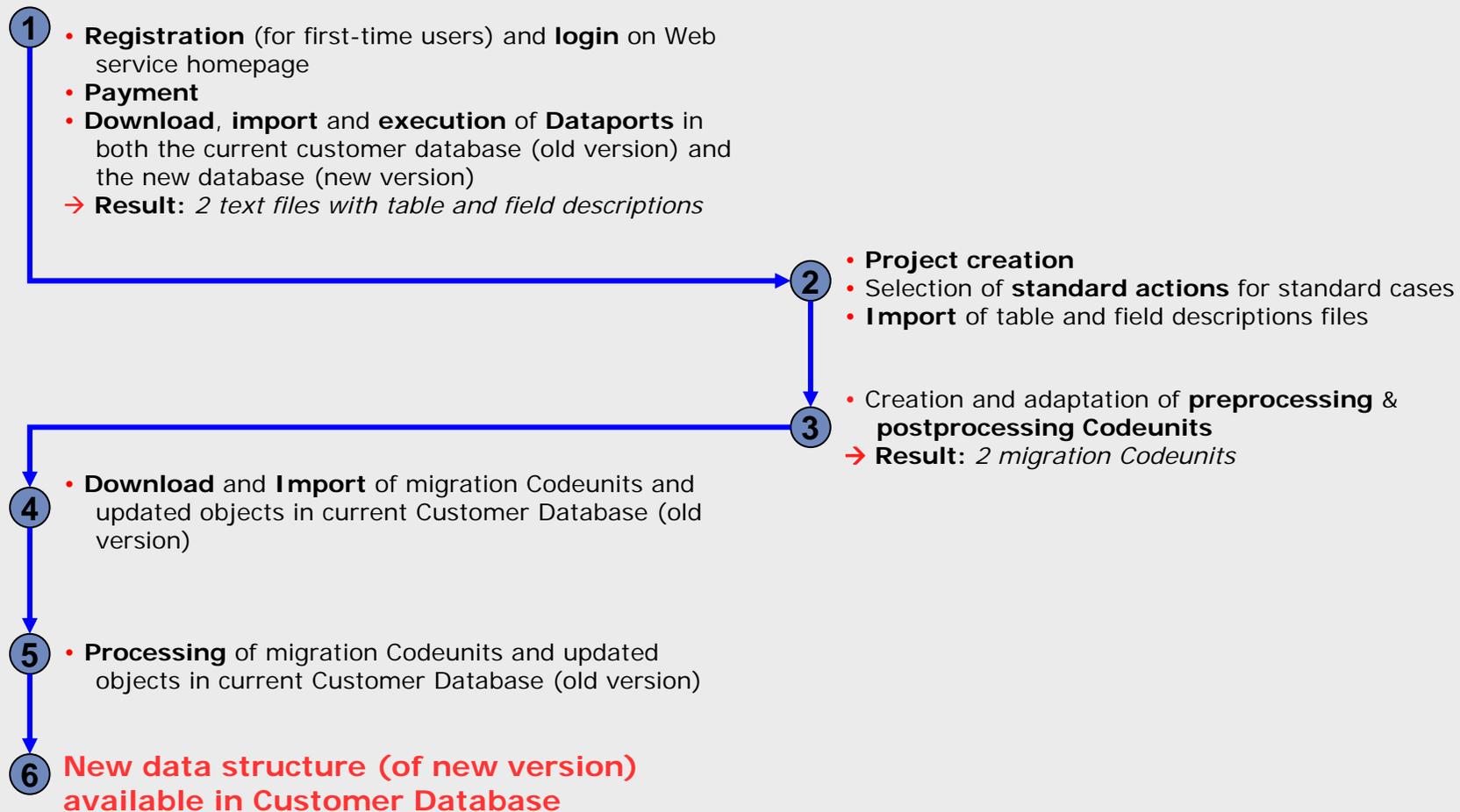
Solution

- Fully equipped code store for default actions
- Automated generation of
 - Preprocessing Codeunit (saves data)
 - Key and value store
 - Postprocessing Codeunit (restores data)
 - Includes standard actions for standard cases
 - Allows manual adaptation of procedure proposals for non-standardized functions (e.g. option values change)

Data Migration Tool Web service

Customer/New Database

Migration Database

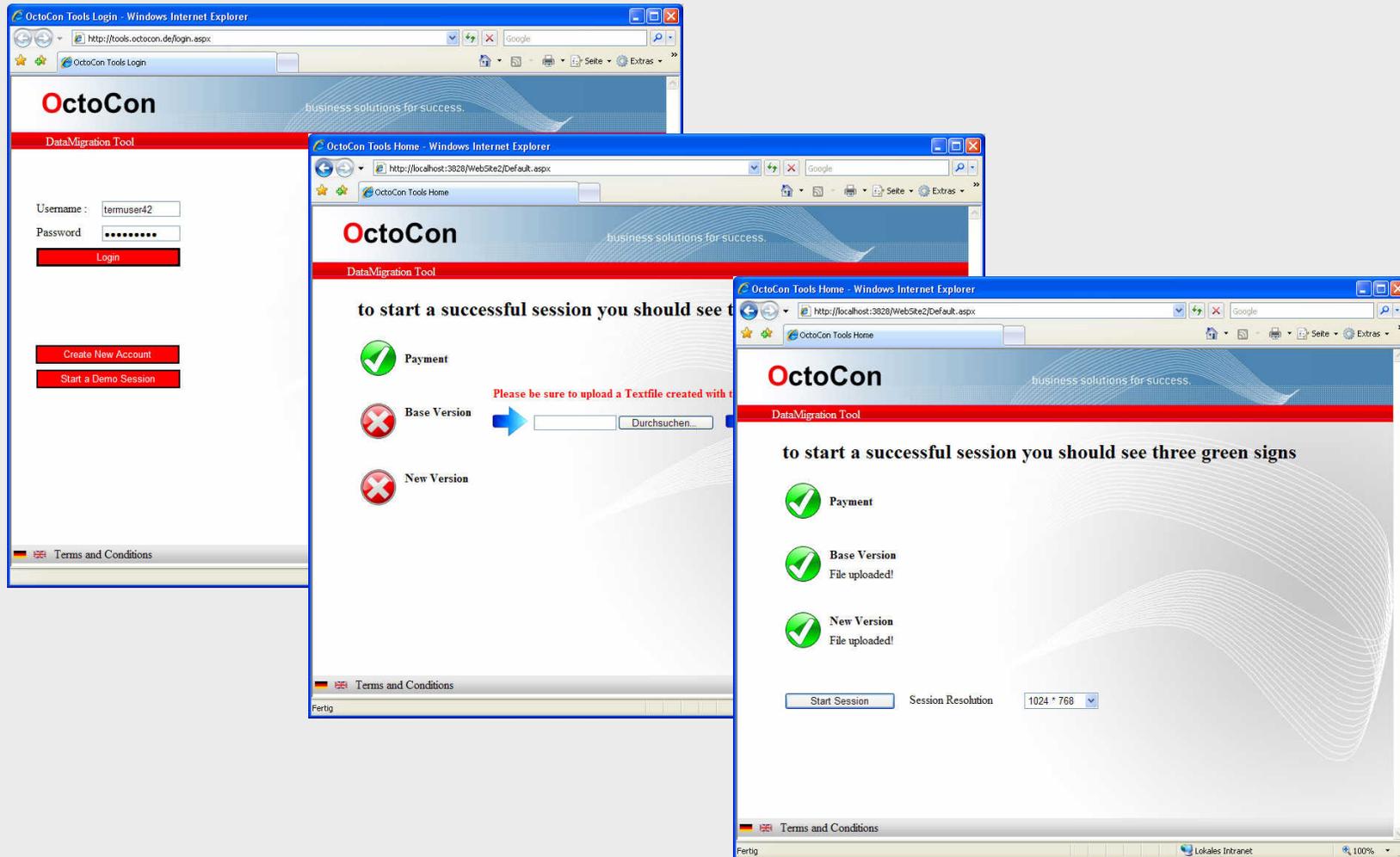


Data Migration Tool - Web service

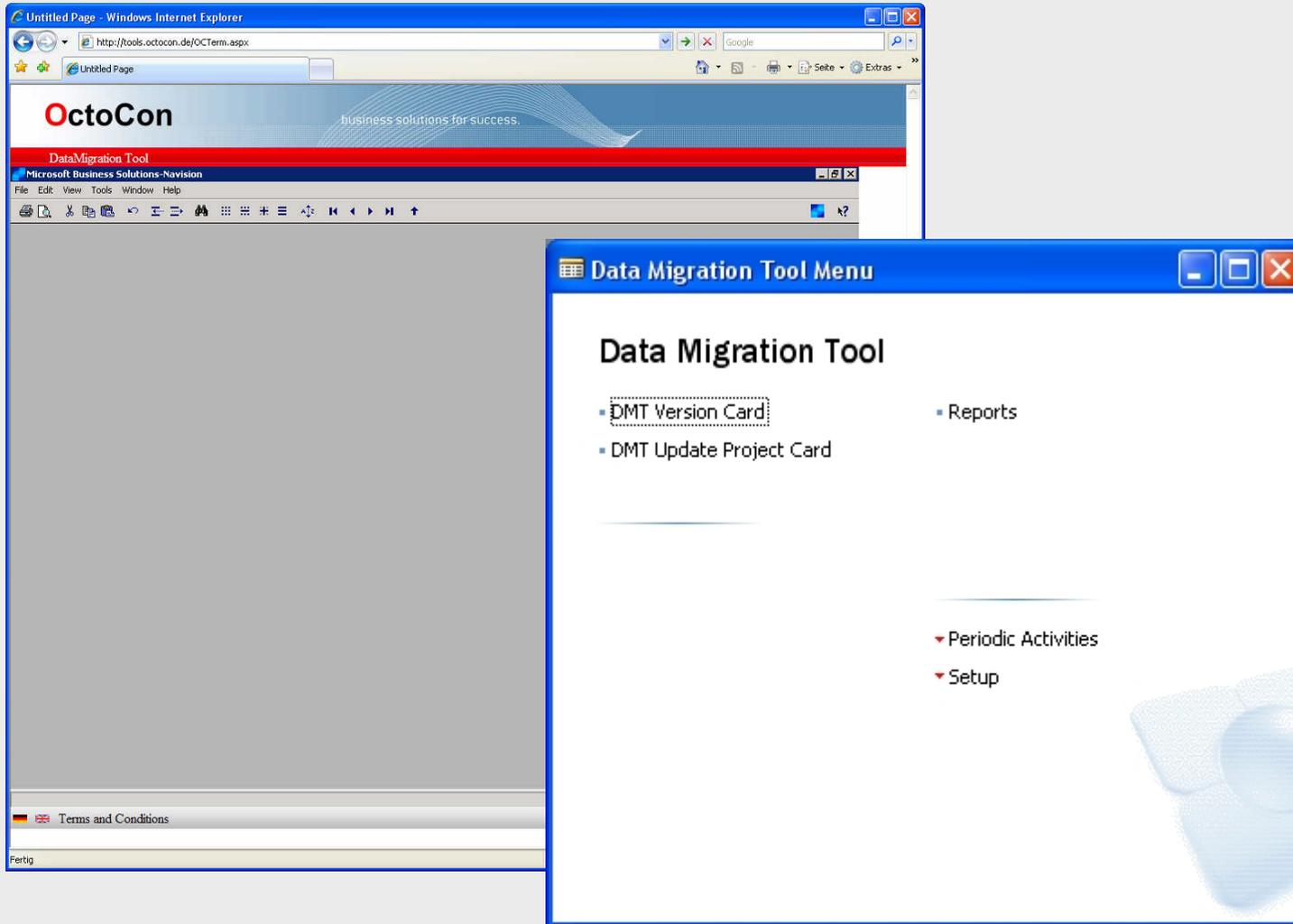
Product presentation

Pay-per-use

Data Migration Tool Web service



Data Migration Tool Web service



Data Migration Tool Web service

The image displays three overlapping screenshots from the Data Migration Tool interface:

- V2 - DMT Table Key List:** A table listing key fields for various tables. The columns are Version No., Table No., Key No., Field No., Field Order, Table Name, Field Name, and Primary. The data is as follows:

Version No.	Table No.	Key No.	Field No.	Field Order	Table Name	Field Name	Primary
V2	3	1	1	1	Zahlungsbedingung	Code	
V2	4	1	1	1	Währung	Code	
V2	5	1	1	1	Zinskondition	Code	
V2	6	1	1	1	Preisgruppe	Code	
V2	7	1	1	1	Standardtext	Code	
V2	8	1	1	1	Sprache	Code	
V2	9	1	1	1	Land	Code	
V2	9	2	6	1	Land	EU Ländercode	
V2	9	3	7	1	Land	Intrastatcode	
V2	10	1	1	1	Lieferbedingung	Code	
V2	11	1	1	1	Kostenstelle	Code	
V2	12	1	1	1	Marke	Code	
V2	13	1	1	1	Verkäufer/Einkäufer	Code	
V2	14	1	1	1	Lagerort	Code	
- DMT Table List:** A table listing migration details for various tables. The columns are Version No., Table No., Name, Modified, Compiled, Version List, Date, and Time. The data is as follows:

Version No.	Table No.	Name	Modified	Compiled	Version List	Date	Time
V2	3	PAYMENT TERMS	✓	✓	DE1.30,I...	08.11.05	9:11:05
V2	4	CURRENCY	✓	✓	DE2.60.0...	08.11.05	9:11:45
V2	5	FINANCE CHARG...		✓	DE2.00,I...	31.10.05	2:20:20
V2	6	PRICE GROUP		✓	DE2.00	31.10.05	2:20:20
V2	7	STANDARD TEXT		✓	DE2.00,I...	31.10.05	2:20:20
V2	8	LANGUAGE		✓	DE1.10,I...	31.10.05	2:20:20
V2	9	COUNTRY		✓	DE1.20,...	31.10.05	2:20:20
V2	10	SHIPMENT METHOD		✓	DE1.10,I...	31.10.05	2:20:20
V2	11	DEPARTMENT		✓	DE1.10,...	31.10.05	2:20:20
V2	12	MAKE		✓	DE1.10,...	31.10.05	2:20:20
V2	13	SALESPERSON/P...		✓	DE1.10	31.10.05	2:20:20
- DMT Import Fields:** A dialog box with an 'Options' tab. It contains a 'Filename' field with a browse button and a 'Version' dropdown menu currently set to 'V2'. There are 'OK', 'Cancel', and 'Help' buttons at the bottom.

Data Migration Tool Web service



V1 TO V2 - DMT Update Project Card

General Processing Safety STX

Code : V1 TO V2 Creation Date : 26.05.06

Base Version : V1 Creation Time : 11:09:31

Base Navision Version No : W1_3_60

Update Version : V2

Update Navision Version No : W1_3_60

Comment :

Finished	S..	Type	Table No.	Field No.	Key No.	New Table No.	New Field No.	Detail Count	Highest Severity	Highest Severity Item Text	A.. P..	A.. P..	C.. By	Base Field Enabled	Base Field Name	New Field Name	f
✓	B..	Table	3			3		1	1	NAME CHANG...	I.. I.. S..						1
✓	B..	Field	3	2		3	2	1	3	FIELD TYPE CH...	S.. I.. S..	✓		Fälligkeit...	Due Date...		
✓	B..	Field	3	3		3	3	1	3	FIELD TYPE CH...	S.. I.. S..	✓		Skontofo...	Discount ...		
	B..	Table	3	4				0	0		S.. R.. U..	✓		Skonto %			
✓	B..	Field	3	5046650		3	5046650	1	3	FIELD NOT EXI...	S.. I.. S..	✓		Hinweistext			
	B..	Field	3	5069450		3	5069450	1	3	FIELD NOT EXI...	I.. C.. S..			Hinweistext			1
✓	B..	Table	4			4		1	1	NAME CHANGED	I.. I.. S..						1
✓	B..	Optionstr...	4	12		4	12	3	2	OPTIONVALUE...	I.. I.. S..	✓		Rechnun...	Invoice R...		
	B..	Table	5			5		1	1	NAME CHANGED	I.. I.. S..						1
	B..	Optionstr...	5	8		5	8	2	2	OPTIONVALUE...	I.. I.. S..	✓		Zinsbere...	Interest ...		
	B..	Field	5	10		5	10	1	3	FIELD TYPE CH...	S.. I.. S..	✓		Toleranz ...	Grace Pe...		
	B..	Field	5	11		5	11	1	3	FIELD TYPE CH...	S.. I.. S..	✓		Fälligkeit...	Due Date...		
	B..	Optionstr...	5	12		5	12	3	2	OPTIONVALUE...	I.. I.. S..	✓		Zinsbere...	Interest ...		

Table Name: ZAHLUNGSBEDINGUNG Field Name: Enabled: Modified: Version List: NSCH,BMW Date: 11.06.03 Time: 16:16:16 Pre / Post Action: Ignore

Update Version: PAYMENT TERMS Enabled: Modified: Version List: DE1.30,INC2.30.05,(BMW2.1),S4BMW Date: 08.11.05 Time: 9:11:05 Pre / Post Action: Ignore

Procedure Code: FILLVALUE Dimension Code: a

Buttons: Update P... Line Base Ver... Update V... Functions Help

Data Migration Tool Web service

V1 TO V2 - DMT Update Project Card

General Processing Safety STX

PreProcessing Codeunit No. 50001
 PreProcessing Codeunit Name 60001
 PostProcessing Codeunit No. 60002
 PostProcessing Codeunit Name 60002
 Date Correction Codeunit No. 60003
 Date Correction Codeunit Name Date Correction

Finished	S..	Type	Table No.	Field No.	Key No.	New Table No.	New Field No.	Detail Count	Highest Severity	Highest Severity Item Text	A.. P..	A.. P..	C.. By	Base Field Enabled	Base Field Name	New Field Name	f
✓	B..	Table	3			3		1	1	NAME CHANGED	I.. I.. S..						1
✓	B..	Field	3	2		3	2	1	3	FIELD TYPE CH...	S.. I.. S..			✓	Fälligkeit...	Due Date...	<
✓	B..	Field	3	3		3	3	1	3	FIELD TYPE CH...	S.. I.. S..			✓	Skontofo...	Discount ...	<
	B..	Table	3	4				0	0		S.. R.. U..			✓	Skonto %		[
✓	B..	Field	3	5046650		3	5046650	1	3	FIELD NOT EXI...	S.. I.. S..			✓	Hinweistext		E
	B..	Field	3	5069450		3	5069450	1	3	FIELD NOT EXI...	I.. C.. S..				Hinweistext		1
✓	B..	Table	4			4		1	1	NAME CHANGED	I.. I.. S..						1
✓	B..	Optionstr...	4	12		4	12	3	2	OPTIONVALUE...	I.. I.. S..			✓	Rechnun...	Invoice R...	<
	B..	Table	5			5		1	1	NAME CHANGED	I.. I.. S..						1
	B..	Optionstr...	5	8		5	8	2	2	OPTIONVALUE...	I.. I.. S..			✓	Zinsbere...	Interest ...	<
	B..	Field	5	10		5	10	1	3	FIELD TYPE CH...	S.. I.. S..			✓	Toleranz ...	Grace Pe...	<
	B..	Field	5	11		5	11	1	3	FIELD TYPE CH...	S.. I.. S..			✓	Fälligkeit...	Due Date...	<
	B..	Optionstr...	5	12		5	12	3	2	OPTIONVALUE...	I.. I.. S..			✓	Zinsbere...	Interest ...	<

Table Name: ZAHLUNGSBEDINGUNG | Field Name: | Enabled: | Modified: | Version List: NSCH,BMW | Date: 11.06.03 | Time: 16:16:16 | Pre / Post Action: Ignore

Update Version: PAYMENT TERMS | Enabled: | Modified: | Version List: DE1.30,INC2.30.05,(BMW2.1),S4BMW | Date: 08.11.05 | Time: 9:11:05 | Pre / Post Action: Ignore

Procedure Code: FILLVALUE | Dimension Code: a

Buttons: Update P... | Line | Base Ver... | Update V... | Functions | Help

Data Migration Tool Web service

V1 TO V2 - DMT Update Project Card

General Processing Safety STX

Import Base Version Allowed
 Import New Version Allowed
 Create Project Lines Allowed
 Change Project Lines Allowed
 Modify Allowed

Finished	S..	Type	Table No.	Field No.	Key No.	New Table No.	New Field No.	Detail Count	Highest Severity	Highest Severity Item Text	A.. P..	A.. P..	C.. By	Base Field Enabled	Base Field Name	New Field Name	f
✓	B..	Table	3			3		1	1	NAME CHANGED	I.. I.. S..						1
✓	B..	Field	3	2		3	2	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Fälligkeit...	Due Date...		<
✓	B..	Field	3	3		3	3	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Skontofo...	Discount ...		<
	B..	Table	3	4				0	0		S.. R.. U..		✓	Skonto %			[
✓	B..	Field	3	5046650		3	5046650	1	3	FIELD NOT EXI...	S.. I.. S..		✓	Hinweistext			E
	B..	Field	3	5069450		3	5069450	1	3	FIELD NOT EXI...	I.. C.. S..			Hinweistext			1
✓	B..	Table	4			4		1	1	NAME CHANGED	I.. I.. S..						1
✓	B..	Optionstr...	4	12		4	12	3	2	OPTIONVALUE...	I.. I.. S..		✓	Rechnun...	Invoice R...		<
	B..	Table	5			5		1	1	NAME CHANGED	I.. I.. S..						1
	B..	Optionstr...	5	8		5	8	2	2	OPTIONVALUE...	I.. I.. S..		✓	Zinsbere...	Interest ...		<
	B..	Field	5	10		5	10	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Toleranz ...	Grace Pe...		<
	B..	Field	5	11		5	11	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Fälligkeit...	Due Date...		<
	B..	Optionstr...	5	12		5	12	3	2	OPTIONVALUE...	I.. I.. S..		✓	Zinsbere...	Interest ...		<

Table Name: ZAHLUNGSBEDINGUNG Field Name: Enabled: Modified: Version List: NSCH,BMW Date: 11.06.03 Time: 16:16:16 Pre / Post Action: Ignore
 Update Version: PAYMENT TERMS Enabled: Modified: Version List: DE1.30,INC2.30.05,(BMW2.1),54BMW Date: 08.11.05 Time: 9:11:05 Pre / Post Action: Ignore
 Procedure Code: FILLVALUE a 5
 Dimension Code:

Update P... Line Base Ver... Update V... Functions Help

Data Migration Tool Web service

V1 TO V2 - DMT Update Project Card

General Processing Safety STX

STX YES Text: Yes
 STX NO Text: No
 STX Date Text: Date
 STX Time Text: Time

Finished	S..	Type	Table No.	Field No.	Key No.	New Table No.	New Field No.	Detail Count	Highest Severity	Highest Severity Item Text	A.. P..	A.. P..	C.. By	Base Field Enabled	Base Field Name	New Field Name	f
✓	B..	Table	3			3		1	1	NAME CHANGED	I.. I.. S..						1
✓	B..	Field	3	2		3	2	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Fälligkeit...	Due Date...		
✓	B..	Field	3	3		3	3	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Skontofo...	Discount ...		
	B..	Table	3	4				0	0		S.. R.. U..		✓	Skonto %			
✓	B..	Field	3	5046650		3	5046650	1	3	FIELD NOT EXI...	S.. I.. S..		✓	Hinweistext			
	B..	Field	3	5069450		3	5069450	1	3	FIELD NOT EXI...	I.. C.. S..				Hinweistext		1
✓	B..	Table	4			4		1	1	NAME CHANGED	I.. I.. S..						1
✓	B..	Optionstr...	4	12		4	12	3	2	OPTIONVALUE...	I.. I.. S..		✓	Rechnun...	Invoice R...		
	B..	Table	5			5		1	1	NAME CHANGED	I.. I.. S..						1
	B..	Optionstr...	5	8		5	8	2	2	OPTIONVALUE...	I.. I.. S..		✓	Zinsbere...	Interest ...		
	B..	Field	5	10		5	10	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Toleranz ...	Grace Pe...		
	B..	Field	5	11		5	11	1	3	FIELD TYPE CH...	S.. I.. S..		✓	Fälligkeit...	Due Date...		
	B..	Optionstr...	5	12		5	12	3	2	OPTIONVALUE...	I.. I.. S..		✓	Zinsbere...	Interest ...		

Table Name: ZAHLUNGSBEDINGUNG | Field Name: | Enabled: | Modified: | Version List: NSCH,BMW | Date: 11.06.03 | Time: 16:16:16 | Pre / Post Action: Ignore

Update Version: PAYMENT TERMS | Enabled: | Modified: | Version List: DE1.30,INC2.30.05,(BMW2.1),54BMW | Date: 08.11.05 | Time: 9:11:05 | Pre / Post Action: Ignore

Procedure Code: FILLVALUE | Dimension Code: a

Buttons: Update P... | Line | Base Ver... | Update V... | Functions | Help

Data Migration Tool Web service

The screenshot displays the Data Migration Tool interface with several windows open:

- V1 3 - DMT Version Fields:** A table listing fields for version V1. The selected row is:

Version No.	Table No.	Field No.	Table Name	Field Name	F..	File
V1	3	1	Zahlungsbedingung	Code	C..	
V1	3	2	Zahlungsbedingung	Fälligkeitsformel	C..	
V1	3	3	Zahlungsbedingung	Skontoformel	C..	
V1	3	4	Zahlungsbedingung	Skonto %	D..	
V1	3	5	Zahlungsbedingung	Beschreibung	T..	
V1	3	5046650	Zahlungsbedingung	Hinweistext	B..	
- V2 3 - DMT Version Fields:** A table listing fields for version V2. The selected row is:

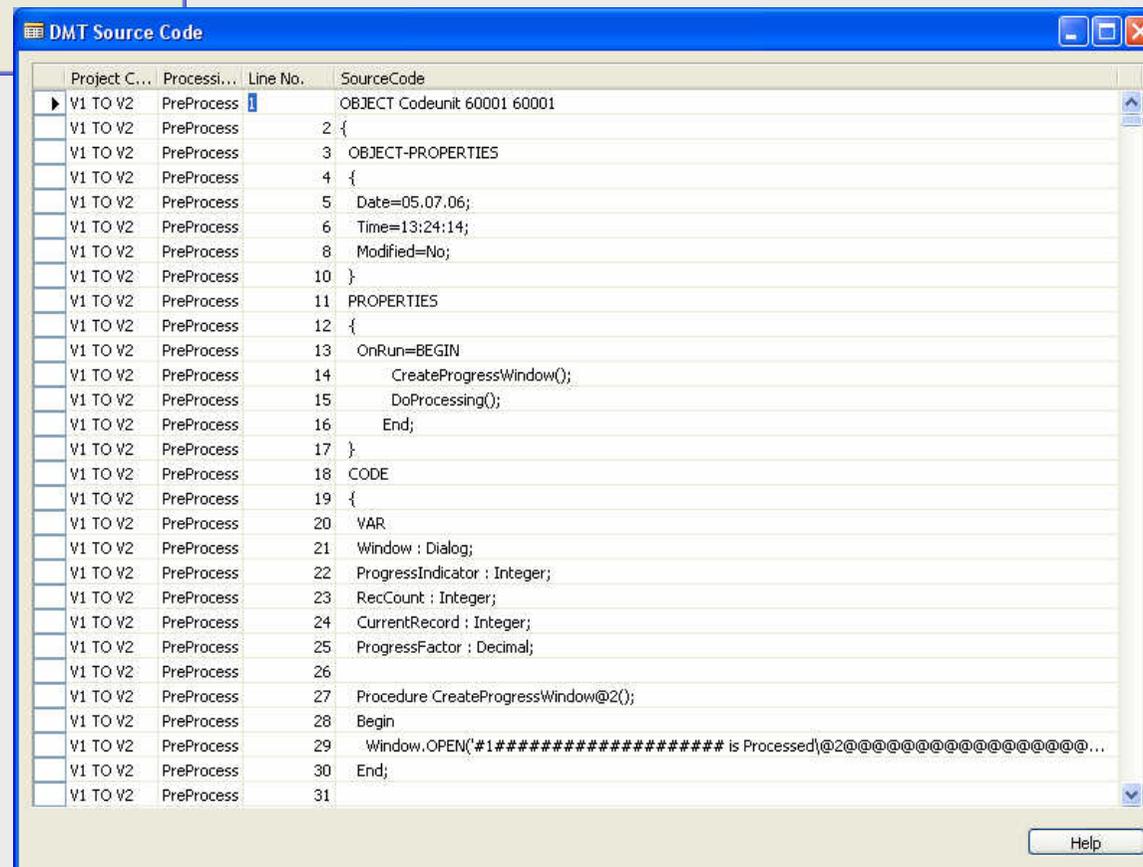
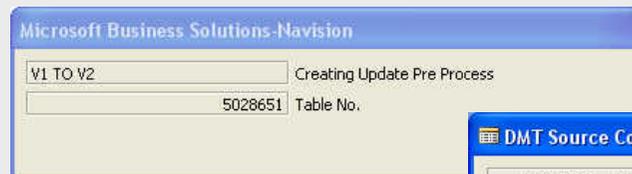
Version No.	Table No.	Field No.	Table Name	Field Name	F..	File
V2	3	1	Payment Terms	Code	C..	
V2	3	2	Payment Terms	Due Date Calculation	D..	
V2	3	3	Payment Terms	Discount Date Calculation	D..	
V2	3	4	Payment Terms	Discount %	D..	
V2	3	5	Payment Terms	Description	T..	
V2	3	5069450	Payment Terms	Hinweistext	B..	
- DMT Update Project Detail Line:** A table showing update details:

Line No.	Item Text	A..	A..	Severity
1	FIELD NOT EXISTING IN NEW VERSION	S..	I..	3
- V1 TO V2 - DMT Update Project Card:** A detailed view of the update project with tabs for General, Processing, Safety, and STX. The STX tab is active, showing:
 - STX YES Text: Yes
 - STX NO Text: No
 - STX Date Text: Date
 - STX Time Text: Time
 Below this is a large table of update actions:

Finished	S...	Type	Table No.	Field No.	Key No.	New Tabl...	New Fiel...	Detail Co...	Highest S...	Highest Severity	Item...	Action PreP...	Action Post...
✓	B...	Table	3			3			1	1	NAME CHANGED	Ignore	Ignore
✓	B...	Field	3	2		3	2		1	3	FIELD TYPE CHANGE ...	Save Field ...	Ignore
✓	B...	Field	3	3		3	3		1	3	FIELD TYPE CHANGE ...	Save Field ...	Ignore
	B...	Table	3	4					0	0		Save Field ...	Restore Field
▶	✓	B...	3	5046650		3	5046650		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
	✓	B...	3	5069450		3	5069450		1	3	FIELD NOT EXISTING ...	Ignore	Create Pro...
✓	B...	Table	4			4			1	1	NAME CHANGED	Ignore	Ignore
✓	B...	Optionstr...	4	12		4	12		3	2	OPTIONVALUE CHAN...	Ignore	Ignore
	B...	Table	5			5			1	1	NAME CHANGED	Ignore	Ignore
	B...	Optionstr...	5	8		5	8		2	2	OPTIONVALUE CHAN...	Ignore	Ignore
	B...	Field	5	10		5	10		1	3	FIELD TYPE CHANGE ...	Save Field ...	Ignore
	B...	Field	5	11		5	11		1	3	FIELD TYPE CHANGE ...	Save Field ...	Ignore
	B...	Optionstr...	5	12		5	12		3	2	OPTIONVALUE CHAN...	Ignore	Ignore
	B...	Table	6			6			1	1	NAME CHANGED	Ignore	Ignore
	B...	Table	7			7			1	1	NAME CHANGED	Ignore	Ignore
	B...	Table	8			8			1	1	NAME CHANGED	Ignore	Ignore
	B...	Field	8	92000		8	92000		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
	B...	Field	8	92001		8	92001		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
	B...	Field	8	92002		8	92002		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
	B...	Field	8	92003		8	92003		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
	B...	Field	8	92004		8	92004		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
	B...	Field	8	92005		8	92005		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
	B...	Field	8	92006		8	92006		1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore
- Update Project Card Summary:**

	Table Name	Field Name	Enabled	Modified	Version List	Date	Time	Update Pre/Post...
Base Version	ZAHLUNGSBEDINGUNG	Hinweistext	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NSCH,BMW	11.06.03	16:16:16	Save Field a...
Update Version	PAYMENT TERMS		<input type="checkbox"/>	<input checked="" type="checkbox"/>	DE1.30,INC2.30.05,...	08.11.05	9:11:05	Ignore

Data Migration Tool Web service



DMT Source Code

Project C...	Processi...	Line No.	SourceCode
V1 TO V2	PreProcess	1	OBJECT Codeunit 60001 60001
V1 TO V2	PreProcess	2	{
V1 TO V2	PreProcess	3	OBJECT-PROPERTIES
V1 TO V2	PreProcess	4	{
V1 TO V2	PreProcess	5	Date=05.07.06;
V1 TO V2	PreProcess	6	Time=13:24:14;
V1 TO V2	PreProcess	8	Modified=No;
V1 TO V2	PreProcess	10	}
V1 TO V2	PreProcess	11	PROPERTIES
V1 TO V2	PreProcess	12	{
V1 TO V2	PreProcess	13	OnRun=BEGIN
V1 TO V2	PreProcess	14	CreateProgressWindow();
V1 TO V2	PreProcess	15	DoProcessing();
V1 TO V2	PreProcess	16	End;
V1 TO V2	PreProcess	17	}
V1 TO V2	PreProcess	18	CODE
V1 TO V2	PreProcess	19	{
V1 TO V2	PreProcess	20	VAR
V1 TO V2	PreProcess	21	Window : Dialog;
V1 TO V2	PreProcess	22	ProgressIndicator : Integer;
V1 TO V2	PreProcess	23	RecCount : Integer;
V1 TO V2	PreProcess	24	CurrentRecord : Integer;
V1 TO V2	PreProcess	25	ProgressFactor : Decimal;
V1 TO V2	PreProcess	26	
V1 TO V2	PreProcess	27	Procedure CreateProgressWindow@2();
V1 TO V2	PreProcess	28	Begin
V1 TO V2	PreProcess	29	Window.OPEN('#1##### is Processed @2@@@@@@@@@@@@@@@@@...');
V1 TO V2	PreProcess	30	End;
V1 TO V2	PreProcess	31	

Help

Data Migration Tool - Web service

Charges & support

Pay-per-use

Data Migration Tool Web service



23 Charges & support

February 2007

Charges

- Pay-per-use: € 1000 / US\$ 1400 per migration project (taxes to be added)
- Same charge for any database
- No recurring costs

Support

- No support agreement – no support costs
- 'Best practice' directives included
- E-mail and phone contact with highly skilled programmers available
- Fixed hourly rate for services at € 95,- (+taxes, minimum of 30min. per contact)

Data Migration Tool Web service

Demo

- Free Trial version (registration required)
- Limit of 50 project lines/differences
- Demo version available at
http://www.octocon.de/tools/EN_Data_Migration_Tool_Web_Service_Demo.html

Company License

- Unlimited license with freely expandable code store to increase reusability
- One-time license cost: € 27.000 (taxes to be added)
- Find detailed information at
http://www.octocon.de/tools/EN_Data_Migration_Tool_Presentation.html

Data Migration Tool Web service

One-time charge vs. cost reduction per migration

- Pay-per-use charge (one-time) € 1.000,- (~US\$ 1400,-, taxes to be added)
vs.
- Cost reduction € 7.400,- (~US\$ 10.100,-)
 - For an average migration: 20 man-days estimated
 - 14 man-days less (70% due to application of DMT Web service)
- Leads to max. savings of = € 7.400,- per migration [(14 x €600,-) - €1000,-]

Thank you!

We are looking forward
to supporting your
business!

Text and illustrations of this documentation have been created with best possible care. Nevertheless the **OctoCon AG** can assume neither legal responsibilities nor any other form of liability for any possible errors or omissions or their resulting consequences.

The present publication is protected by copyright law. All rights reserved. It is forbidden to reproduce any part of the present documentation in any form by photocopy, microfilm, or any other means or to convert any part of the present documentation to a language or form suitable for processing or storage by any machine, in particular by data processing systems, without the prior express written consent of **OctoCon AG**. All rights to use the present documentation in lectures or in radio, television or other broadcast media are also reserved.

Microsoft and Microsoft Dynamics are registered trademarks of Microsoft Corporation in the United States and/or other countries.

OctoCon AG

Postfach 1104
Harthäuser Strasse 48
D-72474 Winterlingen
Fon: +49 (0)7434 310 30
Fax: +49 (0)7434 310 40

