

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

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5 Benefits

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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



6 Comparison

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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

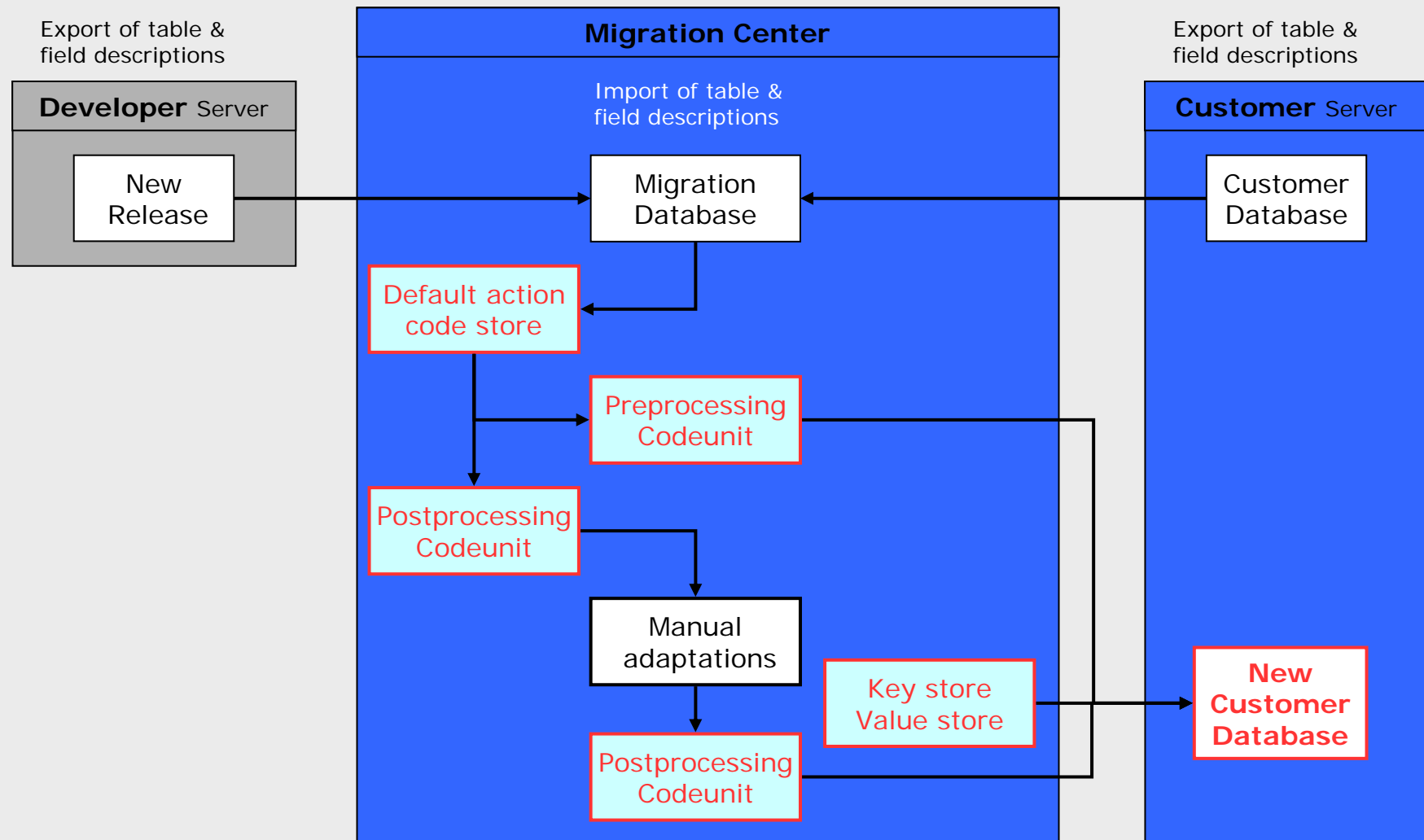
Pay-per-use

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9 Administration scheme

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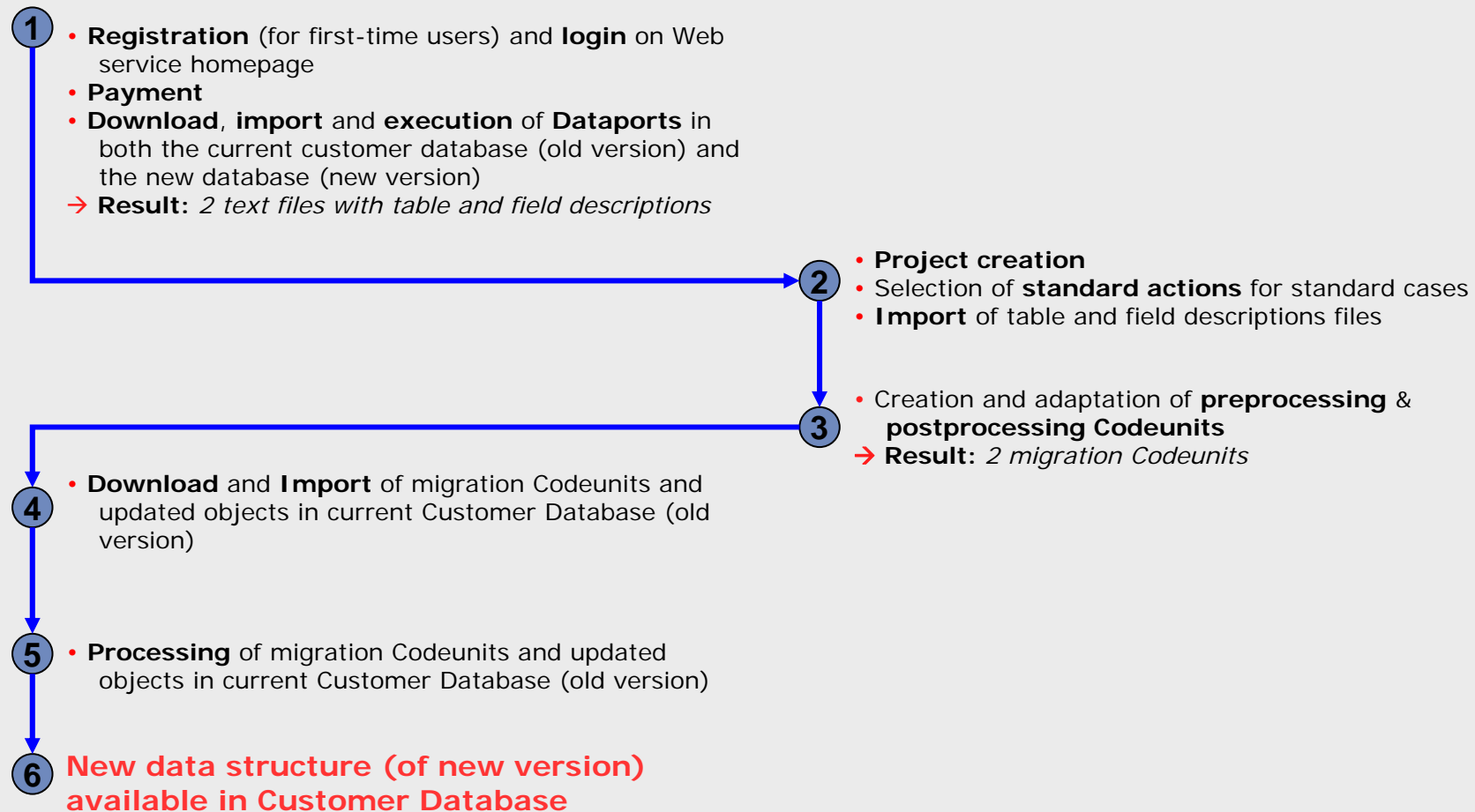
Solution

- 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

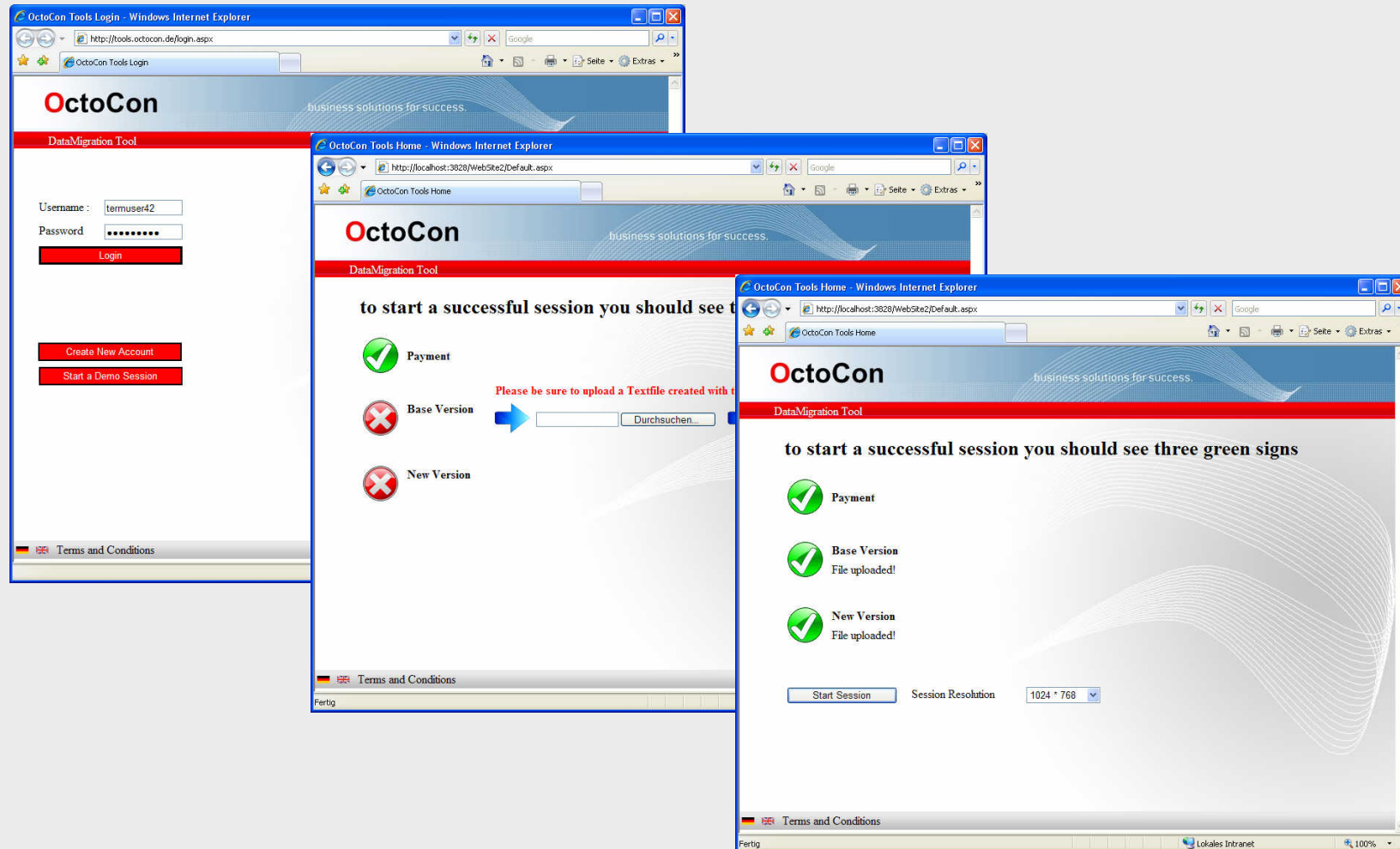
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13 Screenshots – Login/Data upload

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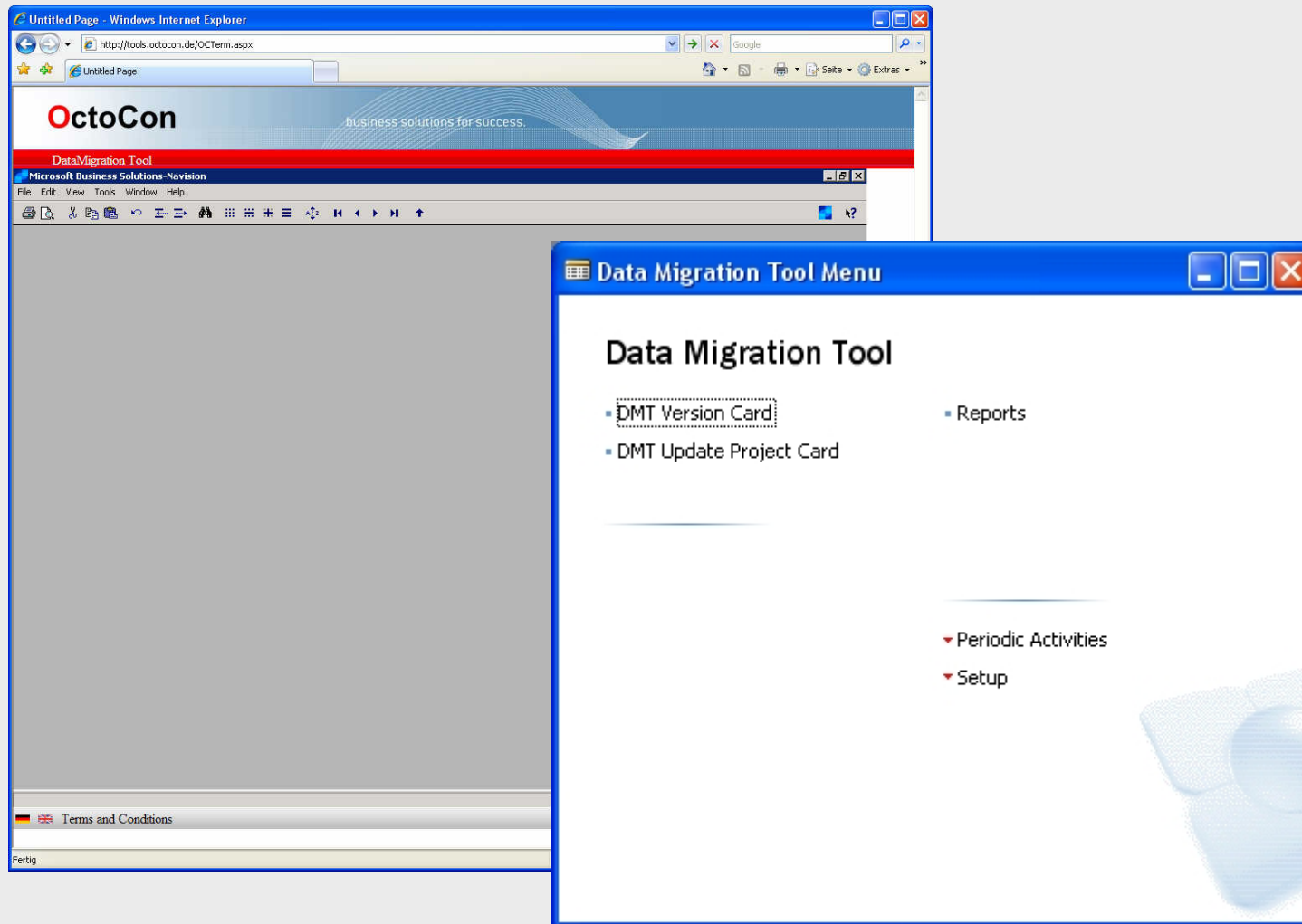


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14 Screenshots – Graphical User Interface

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15 Screenshots – Table information

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The image displays three screenshots of the Data Migration Tool (DMT) interface:

- V2 - DMT Table Key List:** A table showing key information for various tables. The columns are Version No., Table No., Key No., Field No., Field Order, Table Name, Field Name, and Primary.
- DMT Import Fields:** A dialog box for selecting fields to import. It includes an Options tab, a Filename field, and a Version dropdown menu set to V2.
- DMT Table List:** A table listing available tables for migration. The columns are Version No., Table No., Name, Modified, Compiled, Version List, Date, and Time.

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	

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

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16 Screenshots – Update Project Card

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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 CHANGE	I.. I.. S..	I.. I.. S..					1
✓	B..	Field	3	2		3	2	1	3	FIELD TYPE CH...	S.. I.. S..	I.. I.. S..	✓	Fälligkeit...	Due Date...		
✓	B..	Field	3	3		3	3	1	3	FIELD TYPE CH...	S.. I.. S..	I.. I.. S..	✓	Skontofo...	Discount ...		
	B..	Table	3	4				0	0		S.. R.. U..	I.. I.. S..	✓	Skonto %			
✓	B..	Field	3	5046650		3	5046650	1	3	FIELD NOT EXI...	S.. I.. S..	I.. I.. S..	✓	Hinweistext			
	B..	Field	3	5069450		3	5069450	1	3	FIELD NOT EXI...	I.. C.. S..	I.. I.. S..		Hinweistext			
✓	B..	Table	4			4		1	1	NAME CHANGED	I.. I.. S..	I.. I.. S..					
	B..	Optionstr...	4	12		4	12	3	2	OPTIONVALUE...	I.. I.. S..	I.. I.. S..	✓	Rechnun...	Invoice R...		
	B..	Table	5			5		1	1	NAME CHANGED	I.. I.. S..	I.. I.. S..					
	B..	Optionstr...	5	8		5	8	2	2	OPTIONVALUE...	I.. I.. S..	I.. I.. S..	✓	Zinsbere...	Interest ...		
	B..	Field	5	10		5	10	1	3	FIELD TYPE CH...	S.. I.. S..	I.. I.. S..	✓	Toleranz ...	Grace Pe...		
	B..	Field	5	11		5	11	1	3	FIELD TYPE CH...	S.. I.. S..	I.. I.. S..	✓	Fälligkeit...	Due Date...		
	B..	Optionstr...	5	12		5	12	3	2	OPTIONVALUE...	I.. I.. S..	I.. I.. S..	✓	Zinsbere...	Interest ...		

Table Name Field Name Enabled Modified Version List Date Time Pre / Post Action

Base Version ZAHLUNGSBEDINGUNG 11.06.03 16:16:16 Ignore

Update Version PAYMENT TERMS 08.11.05 9:11:05 Ignore

Procedure Code FILLVALUE a 5

Dimension Code

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

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17 Screenshots – Update Project Card

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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			
	B..	Field	3	5069450		3	5069450	1	3	FIELD NOT EXI...	I... C...	S...			Hinweistext		
✓	B..	Table	4			4		1	1	NAME CHANGED	I... I...	S...					
	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...					
	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 Field Name Enabled Modified Version List Date Time Pre / Post Action

Base Version ZAHLUNGSBEDINGUNG ☐ ☐ NSCH,BMW 11.06.03 16:16:16 Ignore

Update Version PAYMENT TERMS ☐ ☒ DE1.30,INC2.30.05,(BMW2.1),S4BMW 08.11.05 9:11:05 Ignore

Procedure Code FILLVALUE a 5

Dimension Code

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18 Screenshots – Update Project Card

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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 Field Name: 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

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19 Screenshots – Update Project Card

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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			
✓	B..	Table	4			4		1	1	NAME CHANGED	I... I... S...						
✓	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...						
	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 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

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20 Screenshots – Update in progress

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The screenshot displays four windows from the Data Migration Tool (DMT) interface:

- V1 3 - DMT Version Fields:** A table showing version details for 'Zahlungsbedingung' (Payment Terms) across different versions (V1, V2).
- V2 3 - DMT Version Fields:** A table showing version details for 'Payment Terms' across different versions (V2).
- DMT Update Project Detail Line:** A table showing project details, including 'Item Text' and 'Severity'.
- V1 TO V2 - DMT Update Project Card:** A window with tabs (General, Processing, Safety, STX) and a table of update actions. The STX tab is active, showing fields like 'STX YES Text', 'STX NO Text', 'STX Date Text', and 'STX Time Text'.

The 'V1 TO V2 - DMT Update Project Card' window also contains 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...	Field	3	5046650		3	5046650	1	3	FIELD NOT EXISTING ...	Save Field ...	Ignore	
	B...	Field	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	

The bottom window, 'DMT Update Project Card', shows a table with columns: Table Name, Field Name, Enabled, Modified, Version List, Date, Time, and Update Pre/Post... The table contains data for 'Zahlungsbedingung' and 'Payment Terms'.

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21 Screenshots – Code generation

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V1 TO V2 Creating Update Pre Process

5028651 Table No.

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

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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



24 Versions

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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

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!

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