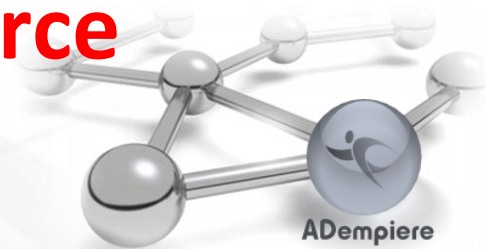
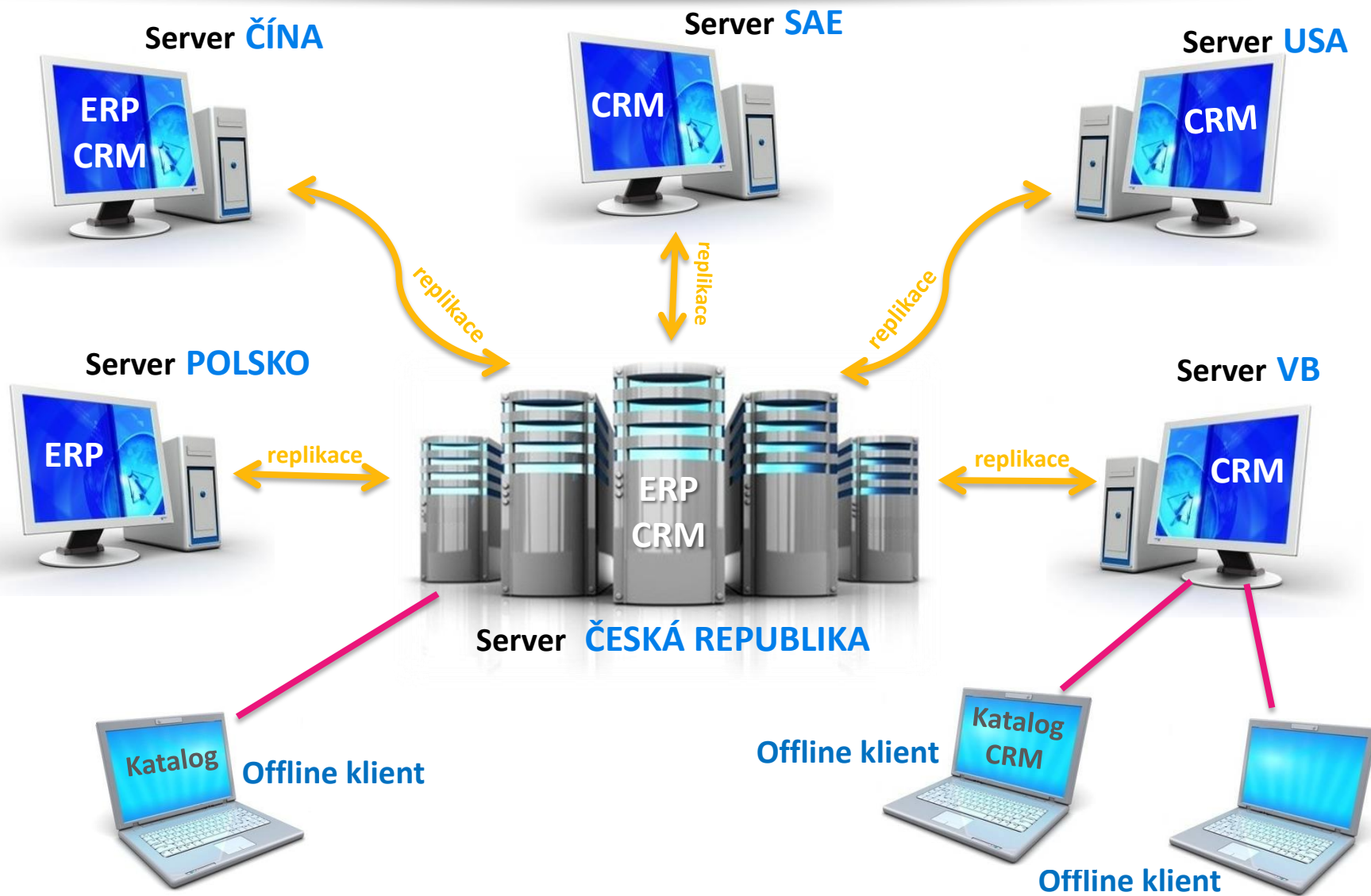


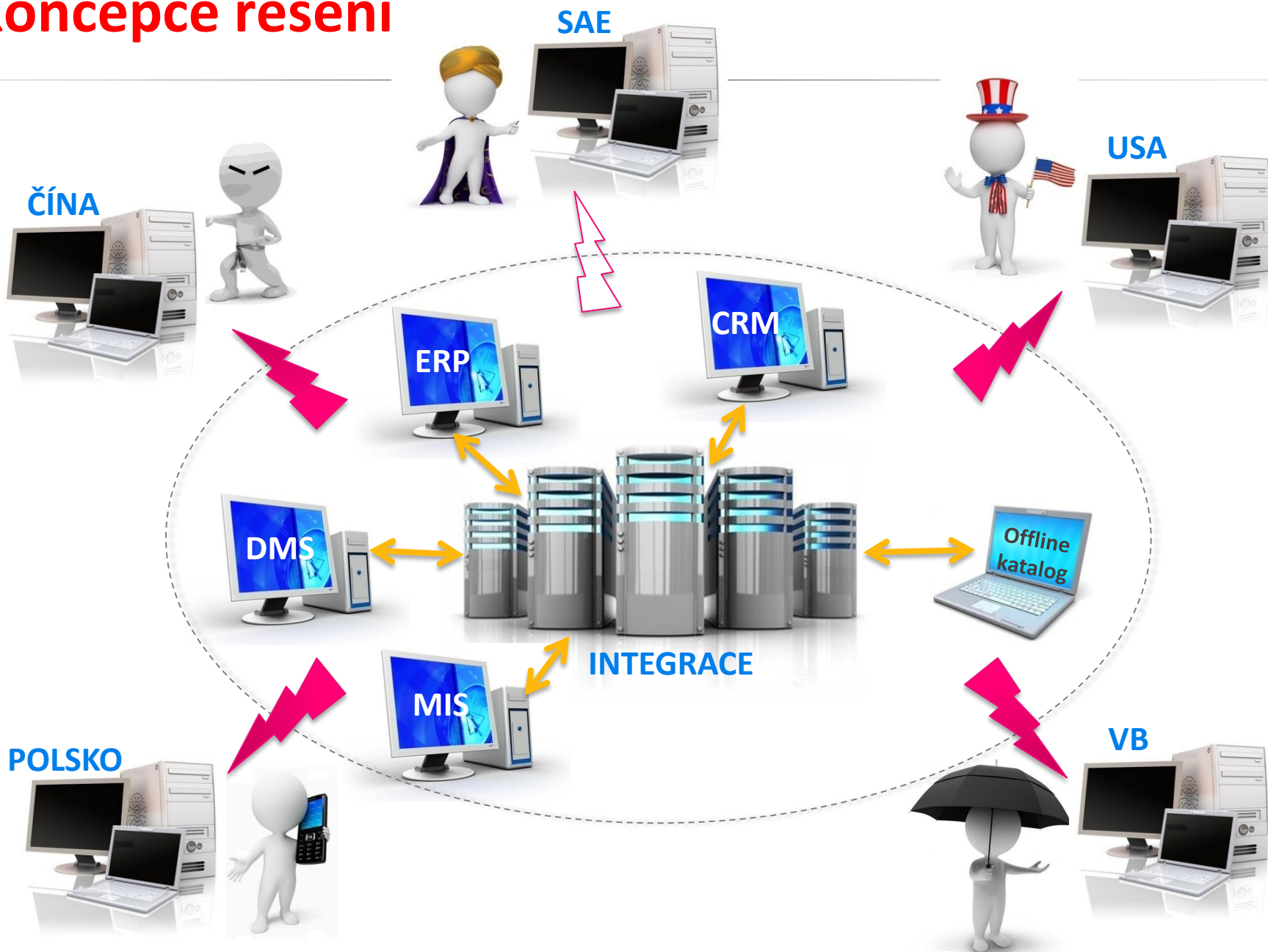
Integrace podnikových Open Source aplikací v praxi



Představa klienta

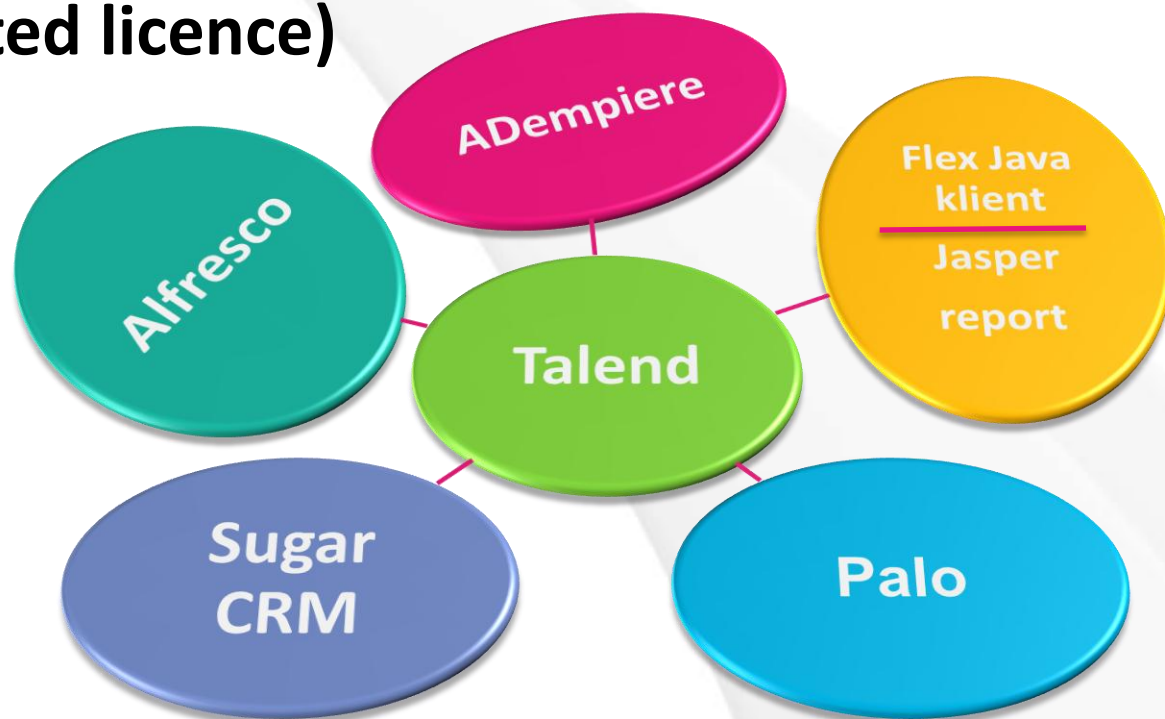
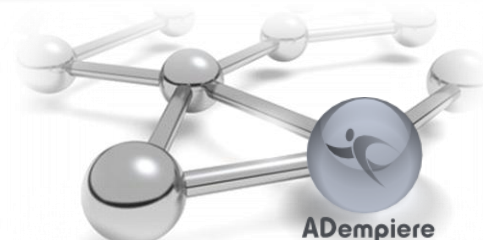


Koncepce řešení



Vlastnosti řešení

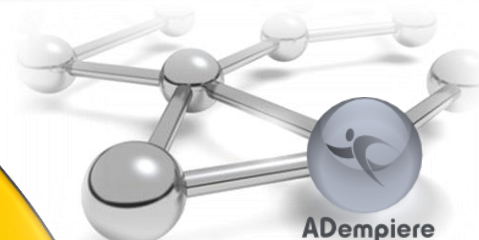
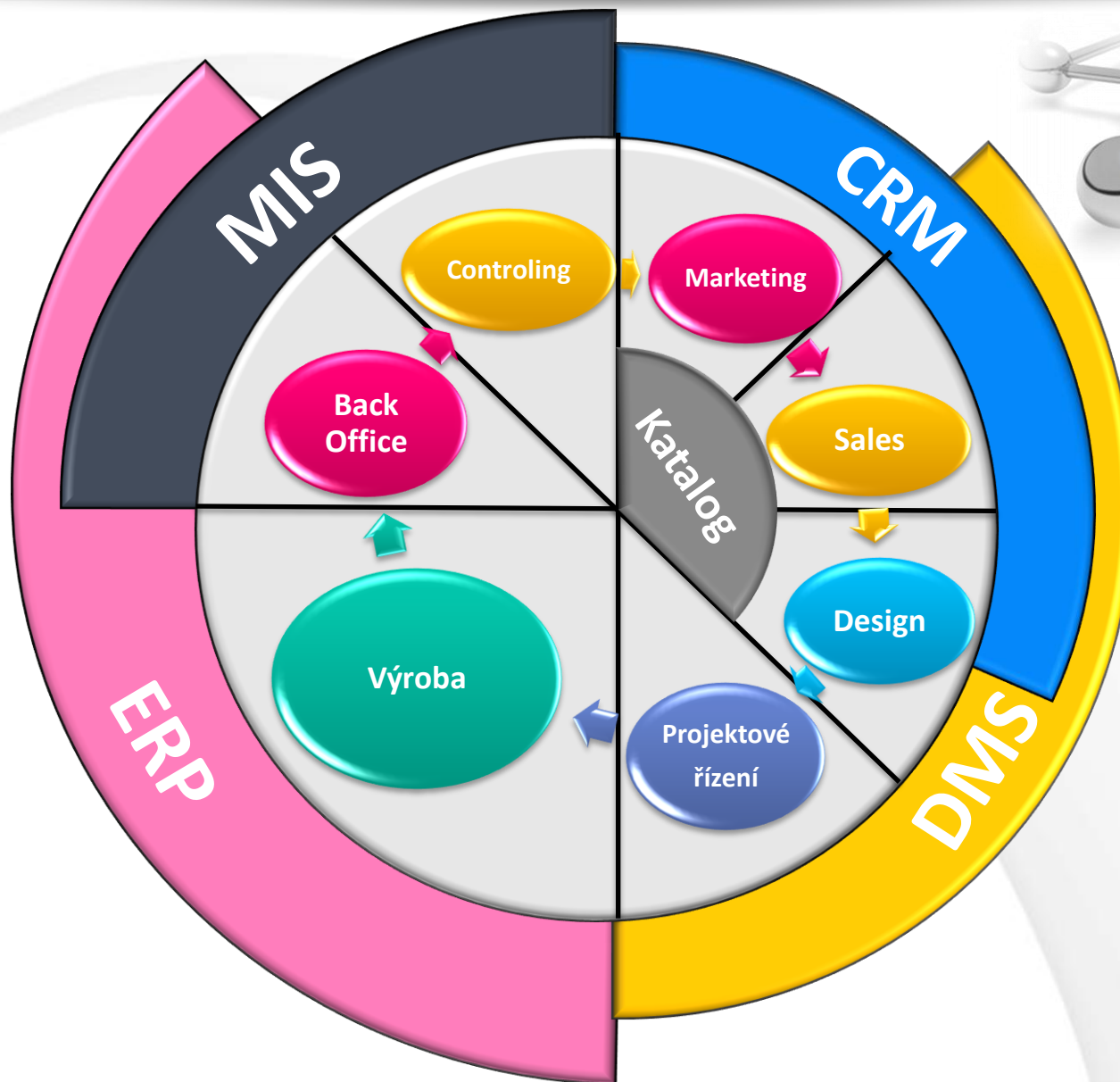
- Všechny komponenty OpenSource
- Webový klient
- Multicompany, multijazyčnost
- Multiuser (unlimited licence)



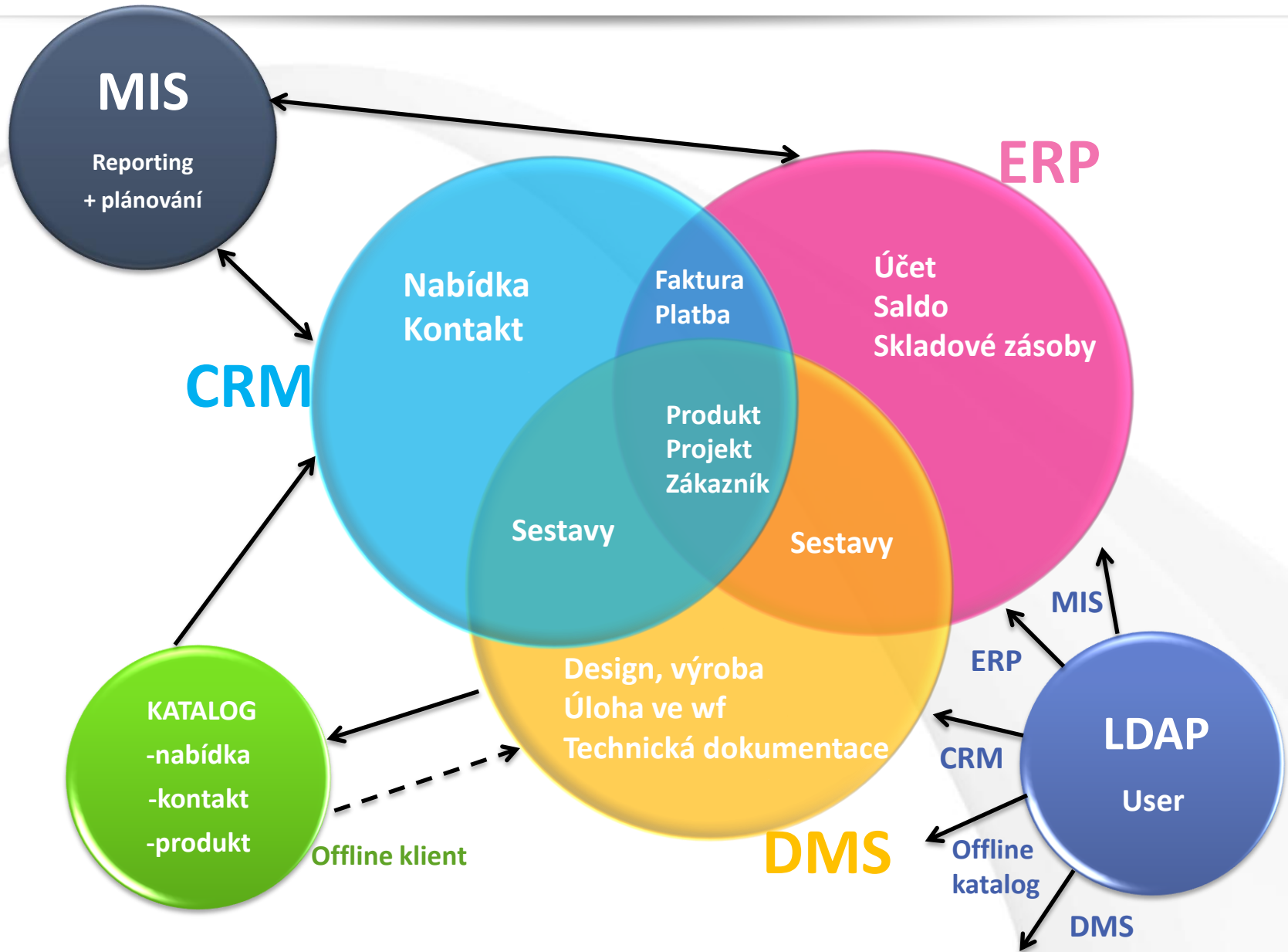
Vlastnosti řešení – použité OS SW, licence apod.

Software	Platforma	Licence	Společnost	Počet Downloudů
Sugar CRM	PHP/mySQL	GPL	Sugar CRM	8 mil.
Alfresco	Java	LGPL	Alfresco	
ADempiere	Java	GPL	ADempiere	250 tis. (Sourceforge)
Palo			Jedox	45 tis.
Lucene	Java	Apache	ASF	
CoucheDB	Erlang	Apache	ASF	
Flex		MPL	Adobe	
JasperReports	Java	LGPL	Jaspersoft	500 tis. (Sourceforge)
Talend	Java/Perl/SQL	GPL/Apache	Talend	115 tis. (Sourceforge)

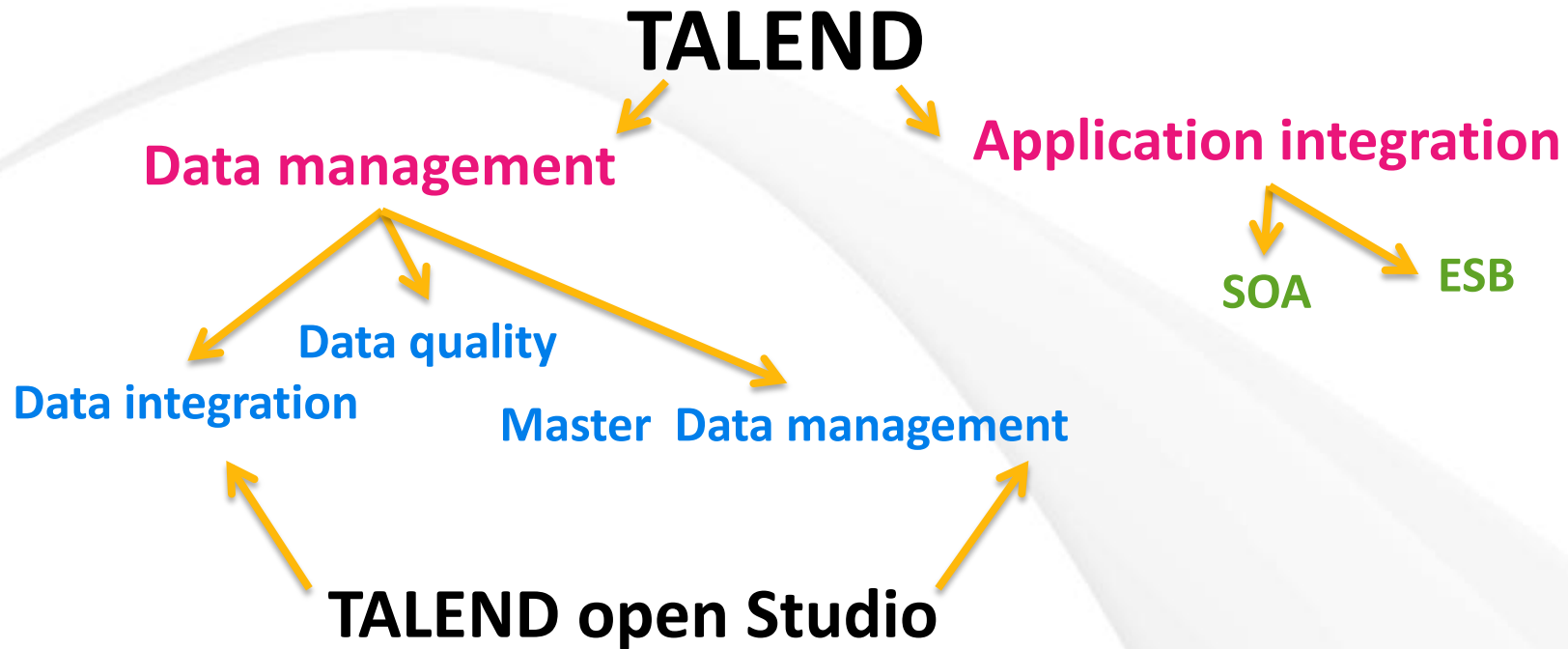
Funkční integrace



Integrace entit



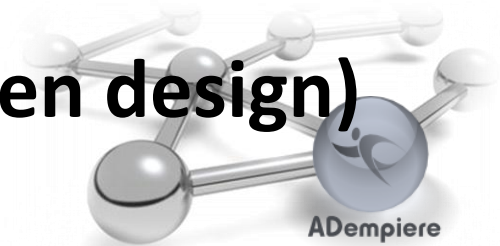
Integrace entit – TALEND



- Synchronizace, replikace databáze
- Dávková výměna informací mezi systémy
- ETL
- Migrace dat
- Transformace dat

Integrace entit – TALEND

Open Studio Job designer (metadriven design)



- Real time debugging
- Grid (nemusí být centralizovaný server)

VNC: f13sa Desktop
Talend MDM Studio (TOS and TOP) (4.1.1.r50363) | ivanr@bsys.cz | Lasvit_test (Connection: Local)

File Edit View Window Help

100%

Java Debug Design W... MDM

Repo Navi Job test_LDAP 0.1 *Job exhibition_report 0.1 *Job xxx 0.1 *Job put_to_Alfresco 0.1

Business Models

- Job Designs
 - exhibition_report 0.1
 - put_to_Alfresco 0.1
 - test_2 0.1
 - test_LDAP 0.1
 - test_sugar 0.1
 - xxx 0.1
- Contexts
 - Code
 - SQL Templates
 - Metadata
 - Documentation
 - Recycle bin

Outli Cod

- tFileInputExcel_1
- tLogRow_1
- tMap_1
- tMsgBox_1
- tSugarCRMOutput_2
- tWaitForFile_1

Designer Code

Job(exh) Context Compon Run (Job) Problem Talend E Schedul Job Hier Error Lo

tSugarCRMOutput_2

Basic settings SugarCRM WebService URL "http://[redacted].lasvit.com/lasvit=sugar/soap.php"

Advanced settings Username "admin" Password [redacted]

Dynamic settings Module Leads Action update Schema Built-In Edit schema Sync columns

Business Intelligence
Business

- Adempiere
- Alfresco
- tAlfrescoOutput
- Bonita
- CentricCRM
- Healthcare
- Microsoft AX
- Microsoft CRM
- Open Bravo
- SAP
- Salesforce
- SugarCRM
- VtigerCRM

Custom Code
Data Quality
Databases
ELT
File
Internet
Logs & Errors
Misc
Orchestration
Processing
System
Talend MDM
XML

11:10 Mon, 18 Apr

TALEND

VNC: f13sa Desktop
Talend MDM Studio (TOS and TOP) - tMap - tMap_1

row1

Column
DateEntered
FirstName
LastName
Title
Phone
Email
Company
interestedin_contemporary
interestedin_sculptures

log1

Expression	Column
row1.FirstName	FirstName
row1.LastName	LastName
row1.Title	Title
row1.Phone	Phone
row1.Email	Email
row1.Company	Company
row1.DateEntered	DateEntered
row1.interestedin_contemporary	interestedin_contemporary
row1.interestedin_sculptures	interestedin_sculptures

sugar_1

Expression	Column
	id
	deleted
	converted
row1.DateEntered	date_entered
	date_modified
	modified_user_id
	assigned_user_id

Schema editor

row1

Column	Key	Type	Nullab	Date Patte	Lengt	Precis	Defa	Commen
DateEntered		Date	<input checked="" type="checkbox"/>	*dd-MM-yy				
FirstName		String	<input checked="" type="checkbox"/>					
LastName		String	<input checked="" type="checkbox"/>					
Title		String	<input checked="" type="checkbox"/>					
Phone		String	<input checked="" type="checkbox"/>					

log1

Column	Key	Type	Nullab	Date Patte	Lengt	Precis	Defa	Commen
FirstName		String	<input checked="" type="checkbox"/>					
LastName		String	<input checked="" type="checkbox"/>					
Title		String	<input checked="" type="checkbox"/>					
Phone		String	<input checked="" type="checkbox"/>					
Email		String	<input checked="" type="checkbox"/>					

Apply Ok Cancel

11:10 Mon, 18 Apr

Integrace entit – TALEND

Komponenty

- > 500 komponent, korektorů
- Lze vytvářet nové

Příklady

Files: CSV, Excel, XML, unstructured

Databases: MySQL, MS SQL Server, DB2, Oracle, Teradata, Ingres, PostgreSQL, EnterpriseDB, Sybase, MS Access, Informix, Firebird

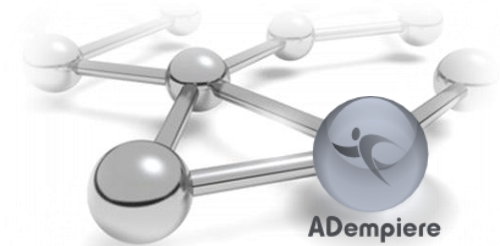
Applications: SAP, MS Dynamics, Salesforce.com

Log&error: info, warning, statistics, filtering

Data quality: deduplication, fuzzy logic matching

Transformation: filtering, mapping, reference, aggregation, lookup, XSLT, (de)normalizing

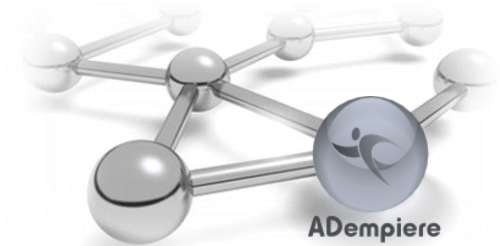
Miscellaneous: Web Services, FTP, HTTP, systém, SSH, data generator



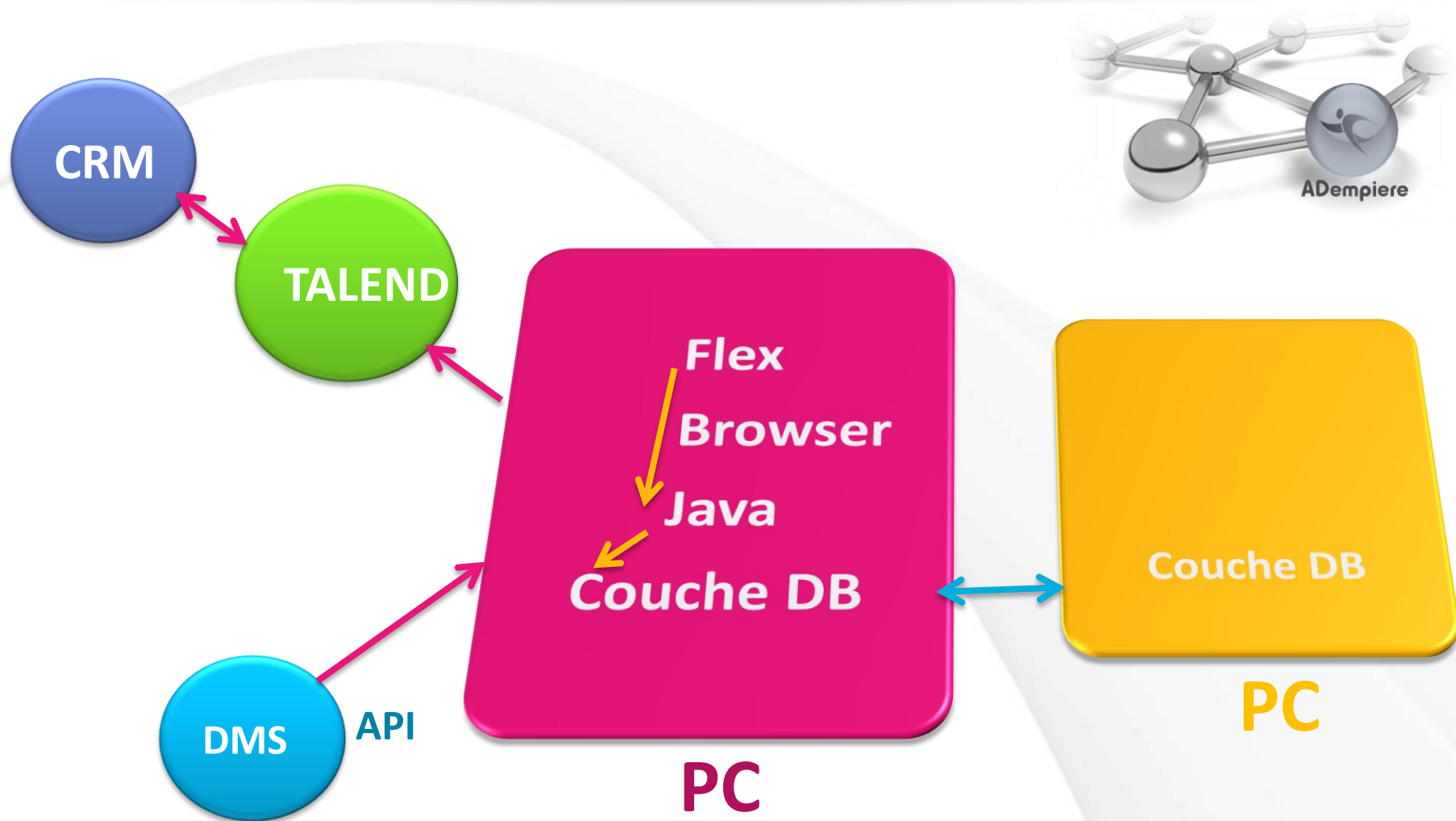
Integrace entit – TALEND

Konektory pro naše řešení

- Alfresco output (add)
- SugarCRM output (update, add)
- Palo input
- Excel (in/out)
- ADempiere (Proces, output)



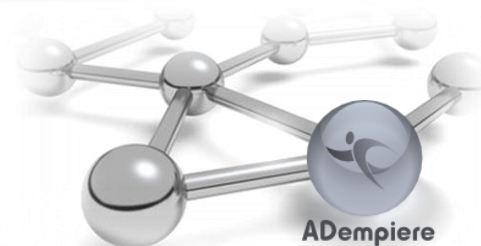
Offline klient



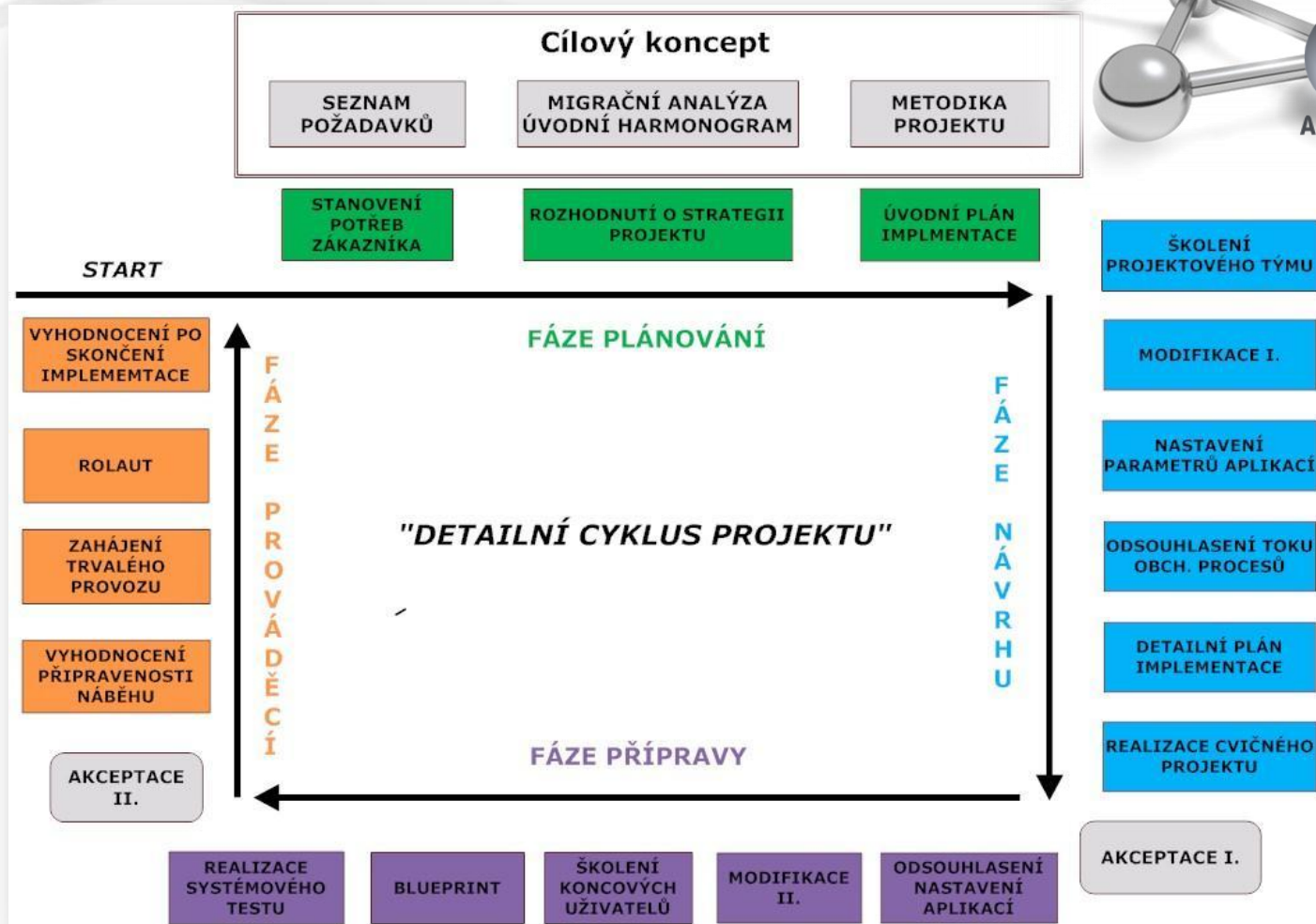
User experience of integration

Webový klient

- aplikace na míru s integrací do DMS a CRM
 - a) práce s daty z jiného systému
 - b) odkok do původního systému
- jednotný reporting v různých systémech (Jasper v ERP, CRM)
- webový klient ve všech systémech umožňuje odkoky do vztažných systémů
- tvorba dalších dashlets (quickinfo)



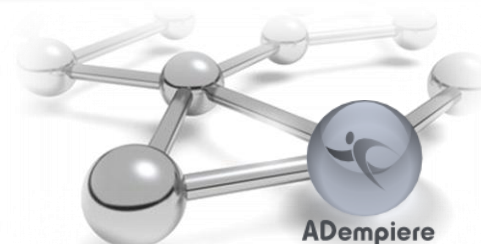
Implementace - Metodika



Implementace

Výhody řešení

- **standardy (hlavní řešení) (8 mil. downloads)**
- **open source v community edition (volné licence), unlimited users**
- **Finanční (nejsou poplatky za licence)**
- **klient není vázán na 1 dodavatele a 1 řešení (flexibilita)**
- **všechny sw mají před sebou vývoj**
- **nadnárodní charakter (vícejazyčnost)**
- **procesní vyrovnanost ve všech potřebných oblastech (CRM, ERP, DMS)**
- **vzor procesů pro společnost**
- **Lze community edition upgradovat na profesionální edition**



Implementace

Kritická místa

- integrace (development, deployment, future changes)
- jednotlivé role se musejí seznámit s více nástroji (implementace)
- náročná implementace (různé metodiky)

