



Every Angle

Product Roadmap Session 16 Nov 2011, Blijdorp Zoo Rotterdam

Bart van Dongen, CTO

Ferry van Genderen, Head of development

Mike Hoksbergen, Software Development Partner EA HR

Hans Veltman, Product Manager

Agenda

- Introduction (Hans Veltman)
 - The big picture: 2009-2013
 - Your scores in 2010
- Product development in 2011
 - GUI and FiCo (Hans Veltman)
 - Server and Extractor (Bart van Dongen)
- The plans for 2012 and after
 - 64 bits, New architecture (Ferry van Genderen)
 - HRM (Mike Hoksbergen)
 - HANA, Calculated fields, MAC & Web clients (Hans Veltman)
- Your scores for selected topics

The big picture: 2009-2013

2009

Unicode
Statuses
Long texts
Partner roles
Personal favorites
Batch where used

2010

Cubes
Bucketing
Wild cards
DSO / DPO
Classifications
Advanced configs
Field chooser Icons

2011

New FiCo
Pivot table
SQL support
ZEA03 & iPad
RFC download
Multi column sort
Unlimited objects
SAP login groups
Improved security
Remove old angles
EADashboard Engine
New scheduling engine
Field chooser in matrix

2012

64 bits
APO
Calculated fields
Automated Clients
ODBC read & write
Better use multi-CPU

Future

HANA
Web clients
System mgmt rebuild
Functional: AFS, HRM
Output 2 multiple targets
Input form multi sources

The scores in 2010, and what we did with it

Usability and ease of use

- Multi column sort in list
- SAPclient: ZEA03 extensions
- Cube extensions
- Field chooser extensions

Extension of SAP systems and modules

- SAP systems: APO, CRM, SRM
- Modules: FiCO, COPA, HR, GRC
- SAP portal

The EADashboard Engine

- Combine data sources

Volume handling and speed

- Enhanced scheduling in extraction process
- 64 bits architecture

Every Angle support tooling

- Automated client / Angle 2 inbox

System configuration

- User defined objects & tables
- Pick list for Change documents
- Pick list for price conditions

System management

- Gui for user management
- Reporting on usage (Users/Angles/Objects)

System Stability, reliability & consistency

- Various SAP consistency issues

Prio	Status
3	Done
5	Done
15	Done, more to come
16	Done
1	Done, more to come
6	Done, more to come
7	Under construction
2	Done, more to come
4	Done
12	Under construction
10	Under construction
8	Not started
13	Not started
17	Not started
11	Under construction
14	Under construction
9	Done, continuous process

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Realized in 2011: Usability and ease of use

- Quick filters via right-mouse button
- Multi column sort
- Pivot
- Field chooser in cube
- Field chooser: 'lost fields'
- Charts on iPad
- Drill-down ZEA03
- FiCo: payment status
- FiCo: overdue payment status
- FiCo Vendor and Customer analytics

Realized in 2011: Usability and ease of use: Multi column sort

New angle (16,587 items)

Object type EA	Order number	Order due date	Material	Execution status	Delivery reliability	Bottleneck type
Sales document ...	50000010/10/1	14-Aug-95	AM2-GT	Cancelled	Not applicable	None
Sales document ...	4969/10/1	07-Jan-97	P-109	Closed	Delivered on ...	None
Sales document ...	4970/10/1	08-Jan-97	M-01	Closed	Delivered on ...	None
Sales document ...	4977/40/1	23-Jan-97	M-04	Closed	Delivered late	Unknown
Sales document ...	4973/10/1	23-Jan-97	M-05	Closed	Delivered late	Unknown

Sort columns

Sort by: Order due date from oldest to newest from newest to oldest

Then by: Material from A to Z from Z to A

Then by: [None] ascending descending

Realized in 2011: Usability and ease of use: Field chooser

The screenshot shows the SAP NetWeaver Field Chooser dialog box. The dialog is titled "Select property to use" and is open over a data table. The dialog has a "Groups" dropdown set to "All properties" and a "Types" dropdown set to "All". The "Contains" dropdown is set to "Origin". The "Origin" section shows a list of properties with "Realized finish date (Delivery item)" selected. The background table shows columns for Object type EA, Order number, Order due date, Material, Execution status, and Delivery reliability.

Object type EA	Order number	Order due date	Material	Execution status	Delivery reliability
Sales document ...	50000010/10/1	14-Aug-95	AM2-GT	Cancelled	Not applicabl
Sales document ...	4969/10/1	07-Jan-97	P-109	Closed	Delivered on
Sales document ...	4970/10/1	08-Jan-97	M-01	Closed	Delivered on
Sales document ...	4970/20/1	08-Jan-97	M-02	Closed	Delivered on
Sales document ...	4970/30/1	08-Jan-97	M-10	Closed	Delivered on
Sales document ...	4970/40/1	08-Jan-97	M-12	Closed	Delivered on
Sales document ...	4971/10/1	09-Jan-97	L-40F	Closed	Delivered on

Realized in 2011: Usability and ease of use: Extended Cube

Angles Display Follow-ups

New angle (16,587 items)

Realized (SD item) [Individual]

Realized / Plant · [Individual]

		No			Yes			Grand Total		
		Count	Sales value [Sum]	Margin [Sum]	Count	Sales value [Sum]	Margin [Sum]	Count	Sales value [Sum]	Margin [Sum]
Oct 2001	1000 (Werk Hamburg)	11	1,320,527 EUR	790,413 EUR				11	1,320,527 EUR	790,413 EUR
	1200 (Dresden)	74	2,737,292 EUR	921,189 EUR				74	2,737,292 EUR	921,189 EUR
	2400 (Milano Distribution Cent)	6	379,350 EUR	270,210 EUR				6	379,350 EUR	270,210 EUR
	2500 (Rotterdam Distribution C)	6	498,600 EUR	379,528 EUR				6	498,600 EUR	379,528 EUR
	3200 (Atlanta)	5	0 EUR	-31,076 EUR	2	0 EUR	-15,531 EUR	7	0 EUR	-46,607 EUR
	3800 (Denver Distribution cente)	6	7,126 EUR	1,489 EUR				6	7,126 EUR	1,489 EUR
Oct 2001 Total		108	4,942,895 EUR	2,331,753 EUR	2	0 EUR	-15,531 EUR	110	4,942,895 EUR	2,316,222 EUR
Nov 2001	1000 (Werk Hamburg)	13	1,308,446 EUR	791,881 EUR				13	1,308,446 EUR	791,881 EUR
	1200 (Dresden)	79	2,871,465 EUR	961,306 EUR				79	2,871,465 EUR	961,306 EUR
	2400 (Milano Distribution Cent)	6	396,150 EUR	283,170 EUR				6	396,150 EUR	283,170 EUR
	2500 (Rotterdam Distribution C)	6	504,250 EUR	385,472 EUR				6	504,250 EUR	385,472 EUR
	3200 (Atlanta)	1	83 EUR	49 EUR				1	83 EUR	49 EUR
	3800 (Denver Distribution cente)	1	98 EUR	34 EUR				1	98 EUR	34 EUR
Nov 2001 Total		106	5,080,492 EUR	2,421,913 EUR				106	5,080,492 EUR	2,421,913 EUR
Dec 2001	1000 (Werk Hamburg)	13	1,317,354 EUR	756,147 EUR				13	1,317,354 EUR	756,147 EUR
	1200 (Dresden)	79	2,643,203 EUR	893,514 EUR				79	2,643,203 EUR	893,514 EUR
	2400 (Milano Distribution Cent)	6	366,400 EUR	261,610 EUR				6	366,400 EUR	261,610 EUR

Dimensions: Realized finish date (Bucket: Per month), Plant · (Bucket: Individual), Returns (SD item) (Bucket: Individual)

Aggregated values: Sales value (Aggregation: Sum), Margin (Aggregation: Sum)

New Cube

basrv004-2011sp2 (EVERY ANGLE) - Every Angle Client

File Edit View Tools Administrators Help

Back Forward Stop Find New angle Save angle Save here Apply view Save view... Follow-up Export to Excel... Goto SAP Help

Angles Display Follow-ups

Dimensions

- Delivery reliability
 - Bucket: Individual
- Execution status
 - Bucket: Individual
- Order status sales
 - Bucket: Individual
- Account group (Customer)
 - Bucket: Individual
- Plant
 - Bucket: Individual
- Sales area
 - Bucket: Individual

Aggregated values

- Quantity
 - Aggregation: Sum
- Sales value
 - Aggregation: Sum

Apply

OrdersAndStocksCube (185.854 items)

Sales area: [Individual] Account group(Customer):[Individual] Order status sales: [Individual]

Plant: [Individual] Delivery reliability: [Individual] Execution status: [Individual]

<No value>			To be confirmed			Confirmed			0001 (Sold-to party - 0001) Total			<No value>		
Count	Quantity [Sum]	Sales value [Sum]	Count	Quantity [Sum]	Sales value [Sum]	Count	Quantity [Sum]	Sales value [Sum]	Count	Quantity [Sum]	Sales value [Sum]	Count	Quantity [Sum]	Sales value [Sum]
<ul style="list-style-type: none"> Not applicable <ul style="list-style-type: none"> Open Partially open Closed Cancelled N/a (Not applicable) Not applicable Total Not critical <ul style="list-style-type: none"> Open Partially open Not critical Total Critical <ul style="list-style-type: none"> Open Partially open Critical Total Late <ul style="list-style-type: none"> Open Partially open Late Total Delivered on time <ul style="list-style-type: none"> Closed Delivered early <ul style="list-style-type: none"> Closed Delivered late <ul style="list-style-type: none"> Partially open Closed Delivered late Total 														
<No value> Total														
9	60,0	139.420,00 EUR	40	80,0	68.620,00 EUR				49	140,0	208.040,00 EUR	2	1,0	
<ul style="list-style-type: none"> Not critical <ul style="list-style-type: none"> Open Partially open Closed Cancelled N/a (Not applicable) Not applicable Total Not critical <ul style="list-style-type: none"> Open Partially open Not critical Total Critical <ul style="list-style-type: none"> Open Partially open 														
- 0001 (Werk 0001)														
1	15,0	2.180,00 EUR				10	20,0	2.180,00 EUR	11	35,0	4.360,00 EUR			
- 1000 (Werk Hamburg)														

OrdersAndStocksCube

Result Summary

<p>Angle definition</p> <p>Group</p> <ul style="list-style-type: none"> Orders and stocks <p>Object types</p> <ul style="list-style-type: none"> Safety stock demand Sales document header Delivery note item Sales document item Independent requirement Stock 	<p>Information</p> <p>Comment</p> <p>No comments</p> <p>Created: EveryAngle administrator 2011-06-20 12:27:59</p> <p>Last modified: EveryAngle administrator 2011-06-20 12:31:23</p>
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2011SP2 (800), 2-1-2004 | Execution time: 2,76 seconds. Processing time: 1,56 seconds

Realized in 2011: Usability and ease of use: List: used columns still in list

The screenshot shows the SAP 'List' view for a 'New angle (16,587 items)'. The left-hand navigation pane contains a list of properties, with 'Bottleneck type' and 'Delivery reliability' highlighted by green arrows. The main table displays the following columns: Object type EA, Order number, Material, Bottleneck type, Delivery reliability, and Quantity. The data rows show various sales documents with their respective values in these columns.

Object type EA	Order number	Material	Bottleneck type	Delivery reliability	Quantity
Sales document ...	4970/10/1	P-109	None	Delivered on ...	1.0 pc
Sales document ...	4970/10/1	M-01	None	Delivered on ...	5.0 pc
Sales document ...	4970/20/1	M-02	None	Delivered on ...	5.0 pc
Sales document ...	4970/30/1	M-10	None	Delivered on ...	4.0 pc
Sales document ...	4970/40/1	M-12	None	Delivered on ...	4.0 pc
Sales document ...	4971/10/1	L-40F	None	Delivered on ...	10.0 Car
Sales document ...	4971/10/2	L-40F	None	Delivered on ...	10.0 Car
Sales document ...	4972/10/1	M-01	Unknown	Delivered late	3.0 pc
Sales document ...	4972/20/1	M-02	Unknown	Delivered late	4.0 pc
Sales document ...	4972/30/1	M-03	Unknown	Delivered late	5.0 pc
Sales document ...	4972/40/1	M-04	Unknown	Delivered late	4.0 pc
Sales document ...	4973/10/1	M-05	Unknown	Delivered late	4.0 pc
Sales document ...	4973/20/1	M-06	Unknown	Delivered late	5.0 pc
Sales document ...	4973/30/1	M-07	Unknown	Delivered late	4.0 pc
Sales document ...	4973/40/1	M-08	Unknown	Delivered late	2.0 pc

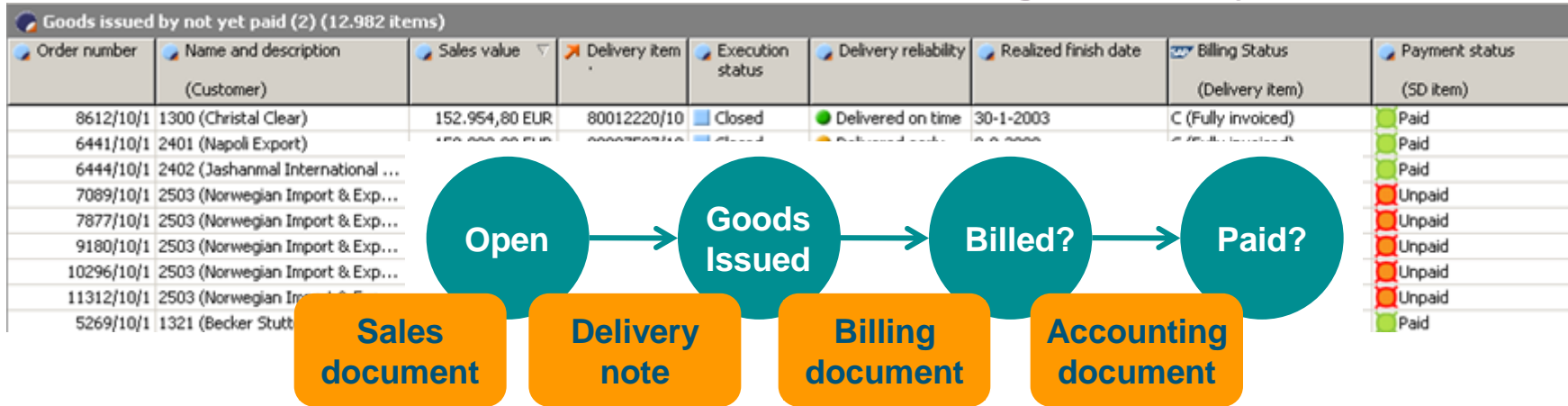
FiCo Extensions: New properties

1. Payment status of transaction data
 1. Invoice receipt
 2. Purchase Order (Header, line)
 3. Billing document
 4. SD document (Header, line)
2. Overdue payment status, days to payday
3. Multiple 'rolled up' properties in Invoice header
4. Average, weighted payment terms, Realized and requested

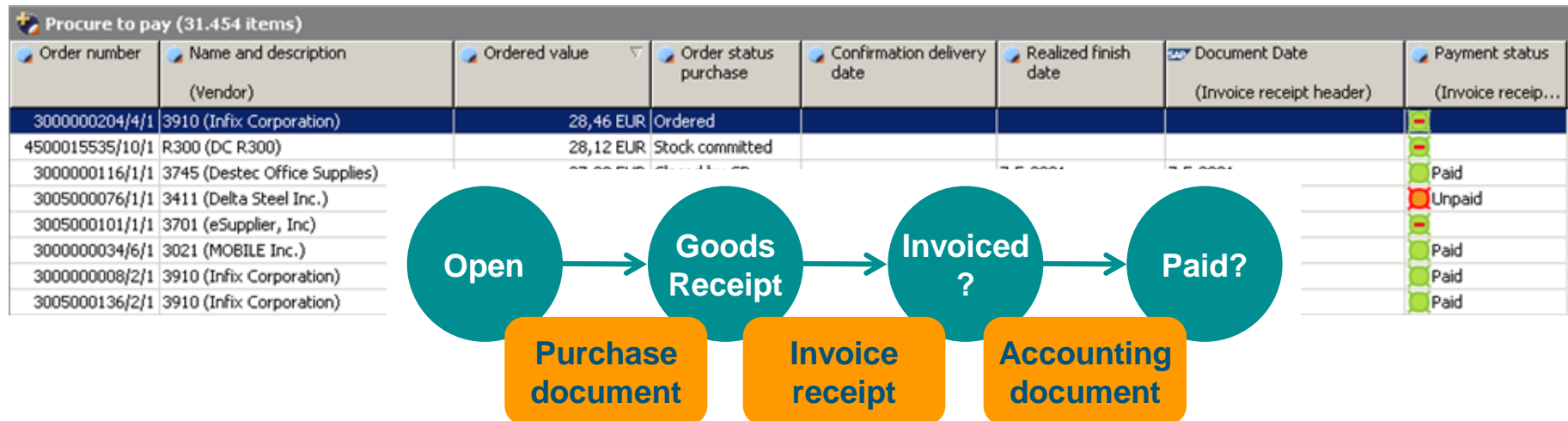
Every Angle OPM for Finance (eg)

Logistics and FiCo are connected allowing full analysis

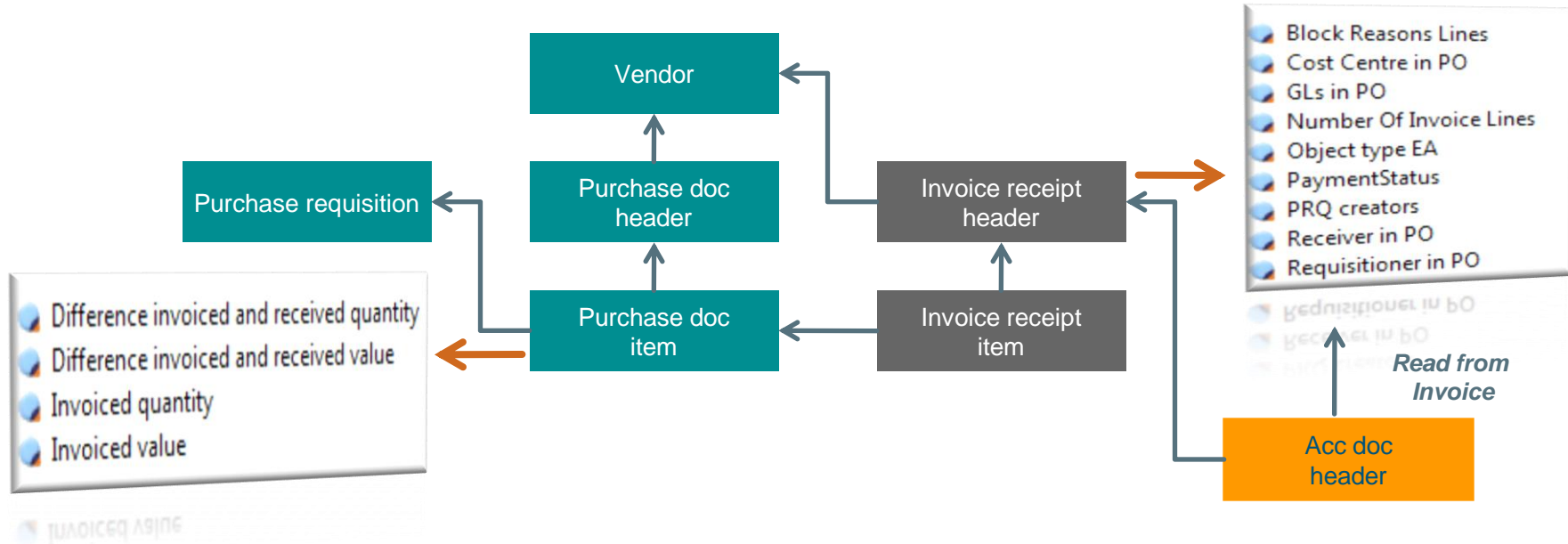
Order to Cash Cycle



Procure to Pay Cycle



Procurement to Pay: The Purchase Triangle (eg)



By combining data from

- The accounting documents,
- The invoice header and lines
- The purchase order header and lines and even from
- The purchase requisitions behind the purchase order lines

Every Angle is able to present a large number of advanced properties that are difficult to obtain in any other way.

Procure to Pay: Vendor analytics

Spend past year

Tot amount payable

DPO

Average, weighted payment terms, Realized and requested / diffs

11) Vendor analytics: DPO and avg pay terms (318 items)							
Object type EA	Name and description (Vendor)	Spend past year	Total amount payable	DPO	Weighted Avg Payment Term Ultimo 1 year	Weighted Avg Payment Term Realised 1 year	Weighted avg. payment term diffe...
Vendor comp...	1025 (SEC System SA)	12,452,635.32 EUR	0	0	28	253	226
Vendor comp...	100 (C.E.B. BERLIN)	9,785,767.23 EUR	159	0	39	20	-19
Vendor comp...	3803 (Multi-State Brokers, Inc.)	8,511,526.33 EUR	2232767	96	30	271	241
Vendor comp...	3815 (EGS America)	8,511,244.44 EUR	0	0	45	88	43
Vendor comp...	R3002 (Meyer Hardware Inc.)	6,304,493.74 EUR	124136	7	0	274	274
Vendor comp...	100128 (Global Business Prope...	5,906,640.00 EUR	0	0	0	708	708
Vendor comp...	R3001 (Omnimum Inc.)	5,394,225.45 EUR	159333	11	0	320	320
Vendor comp...	3902 (SCT Inc.)	5,199,611.60 EUR	0	0	45	80	35
Vendor comp...	R3000 (Allfresh Inc.)	4,958,874.90 EUR	113796	8	0	292	292
Vendor comp...	1035 (Sommer GmbH)	4,880,437.54 EUR	0	0	0	1	1
Vendor comp...	1040 (Hamberger u. CO.)	4,716,841.46 EUR	0	0	0	1	1

Order to Cash: Customer analytics

Revenue past year

Tot amount receivable

DSO

Average, weighted payment terms, Realized and requested / diffs

04) Customer analytics overview past due and DSO (352 items)							
Object type EA	Name and description (Customer)	Revenue past year	Total amount receivable	DSO	Weighted Avg Payment Term Ultimo 1 year	Weighted Avg Payment Term Realised 1 year	Weighted avg. payment term diff...
Customer ...	1033 (Karsson High Tech Markt)	32447612	1140795	9	30	7	-23
Customer ...	1050 (Becker AG)	40257778	7626482	52	45	44	-1
Customer ...	1901 (Motor Sports)	22298478	1941858	38	45	3	-42
Customer ...	3050 (Bush Holdings, Inc.)	757368	553300	267	44	24	-20
Customer ...	1032 (Institut fuer Umweltforschung)	12056235	457694	10	45	13	-32
Customer ...	CMS0000030 (Adecom SA)	863965	405000	171	0	190	190
Customer ...	2200 (HTG Komponente GmbH)	20870959	629320	8	45	36	-9
Customer ...	CMS0000040 (Tubes Ltd.)	1156197	371000	117	0	168	168
Customer ...	2004 (SudaTech GmbH)	21451168	393733	5	45	28	-17
Customer ...	300286 (Dynamic Industries)	300000	300000	365			
Customer ...	CMS0000012 (Reifen & More GmbH)	645894	290000	164	0	148	148
Customer ...	2130 (COMPU Tech. AG)	24214915	369928	4	27	11	-15
Customer ...	R110 (SB Warenhaus R110)	3579345	278302	15	0	76	76

Agenda

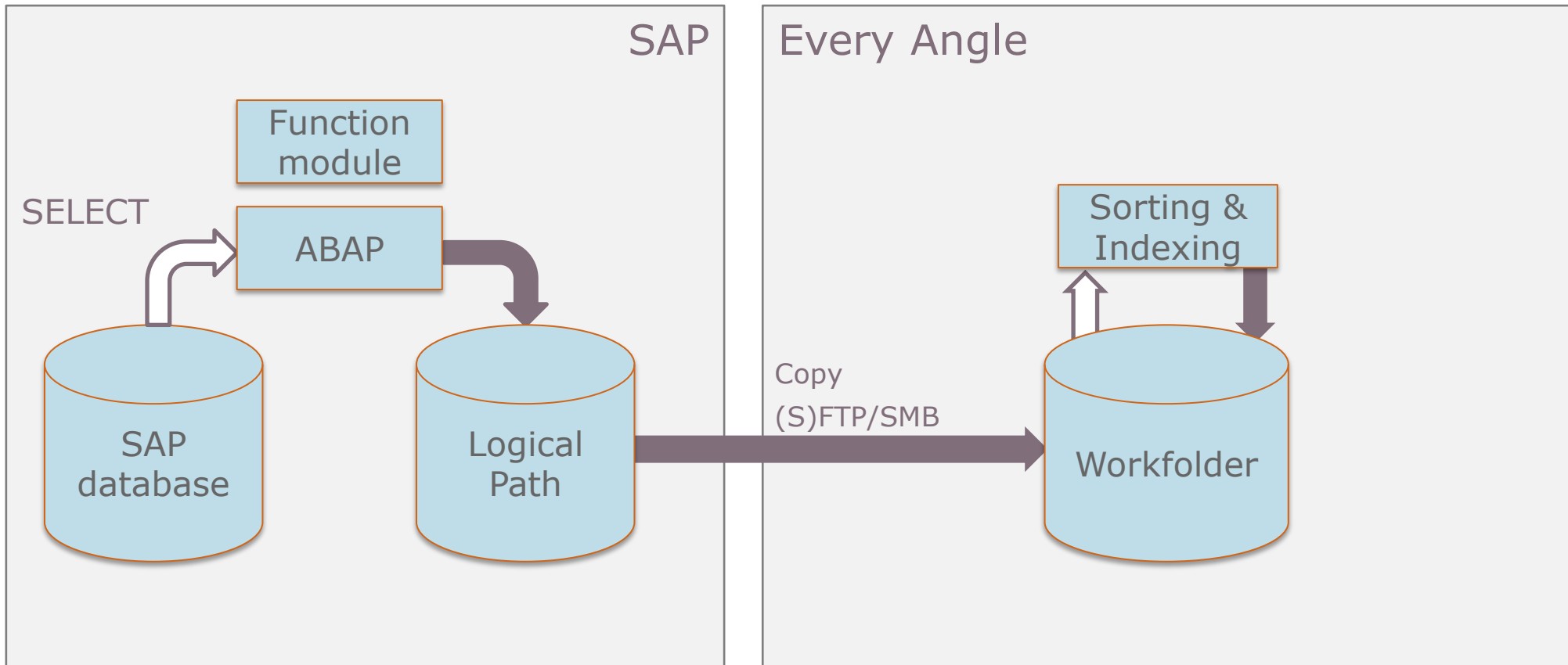
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Every Angle Development, available in 2011

- Download using RFC data transport
- Improved Extractor scheduling
- Miscellaneous

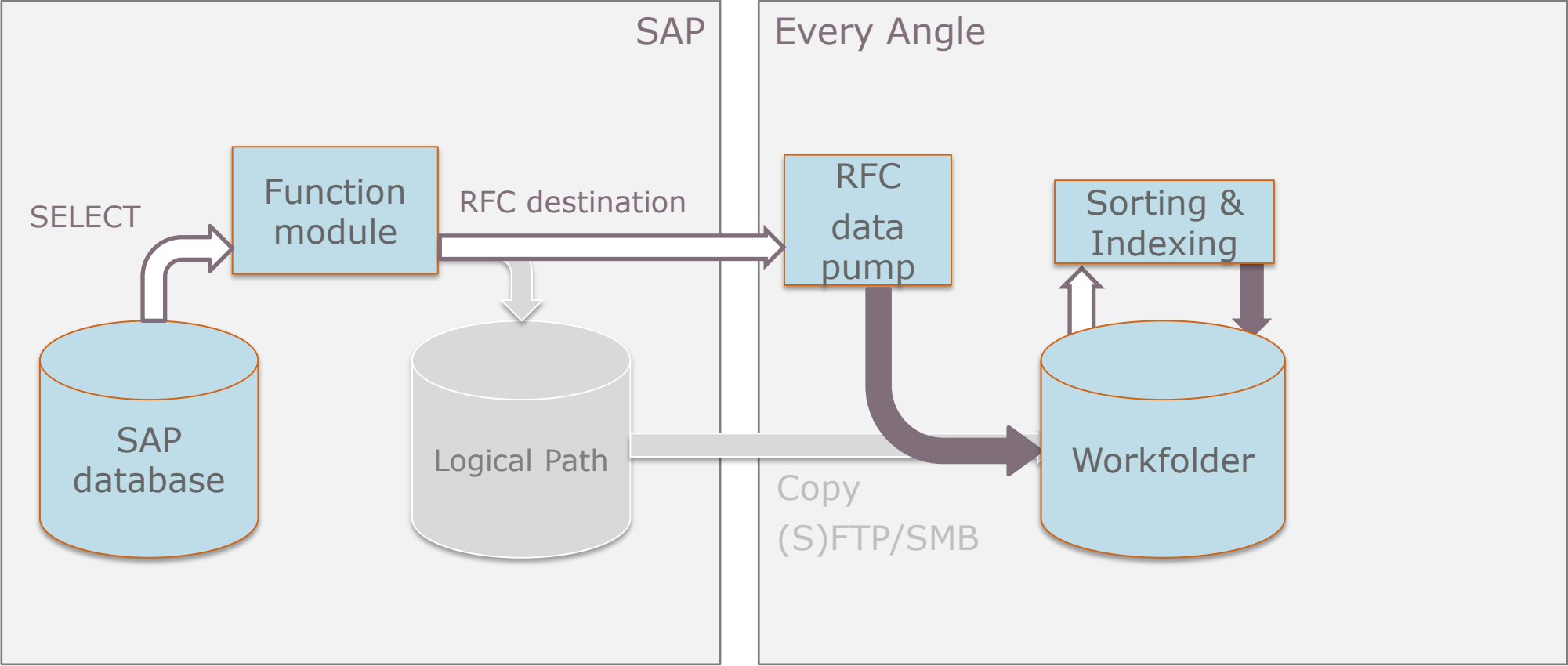
Download using RFC data transport

- Classic Data flow from SAP system to Every Angle Workfolder



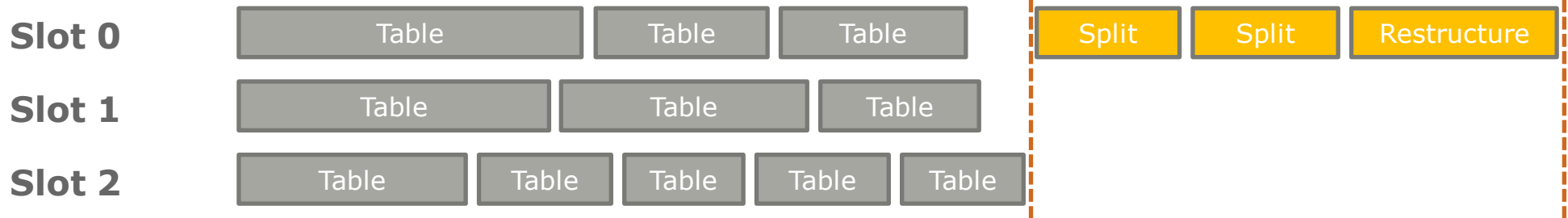
Download using RFC data transport

- New data flow using RFC



Improved Extractor scheduling

- Download and data processing in sequence

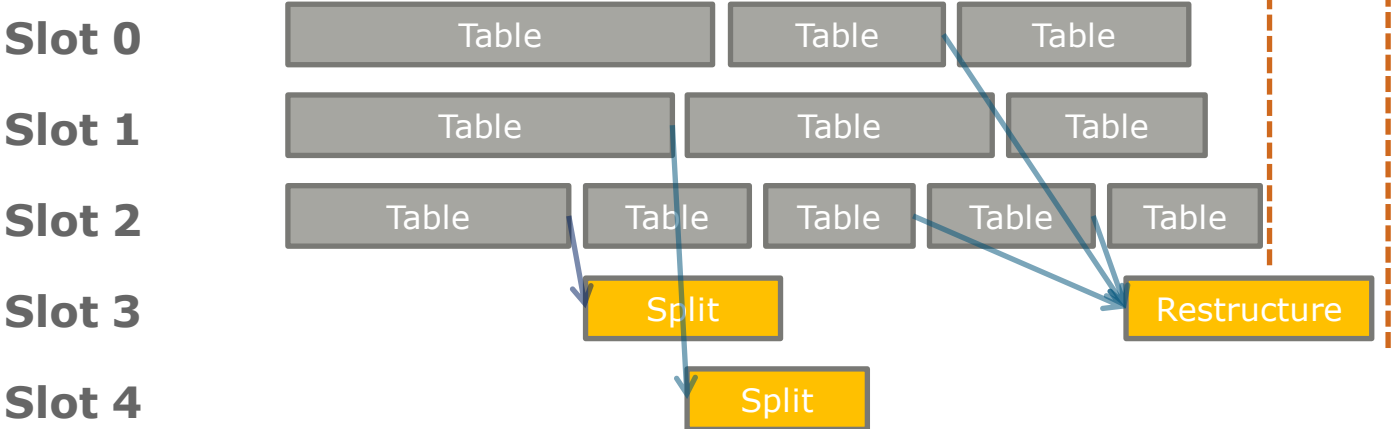


Processing action in sequence after extraction



Improved Extractor scheduling

- Download and data processing in parallel



Processing parallel to extraction



Miscellaneous

- System management (EAConfigurator)

- Cleanup diskspace
- Test Extraction
- Email Logfiles

Disk cleanup...

Test download...

E-mail log files

- Lots of smaller improvements

- Security

- RSA encrypted password transport
- Improved Security for password storage
- Password complexity rules

Every Angle development 2012 and after

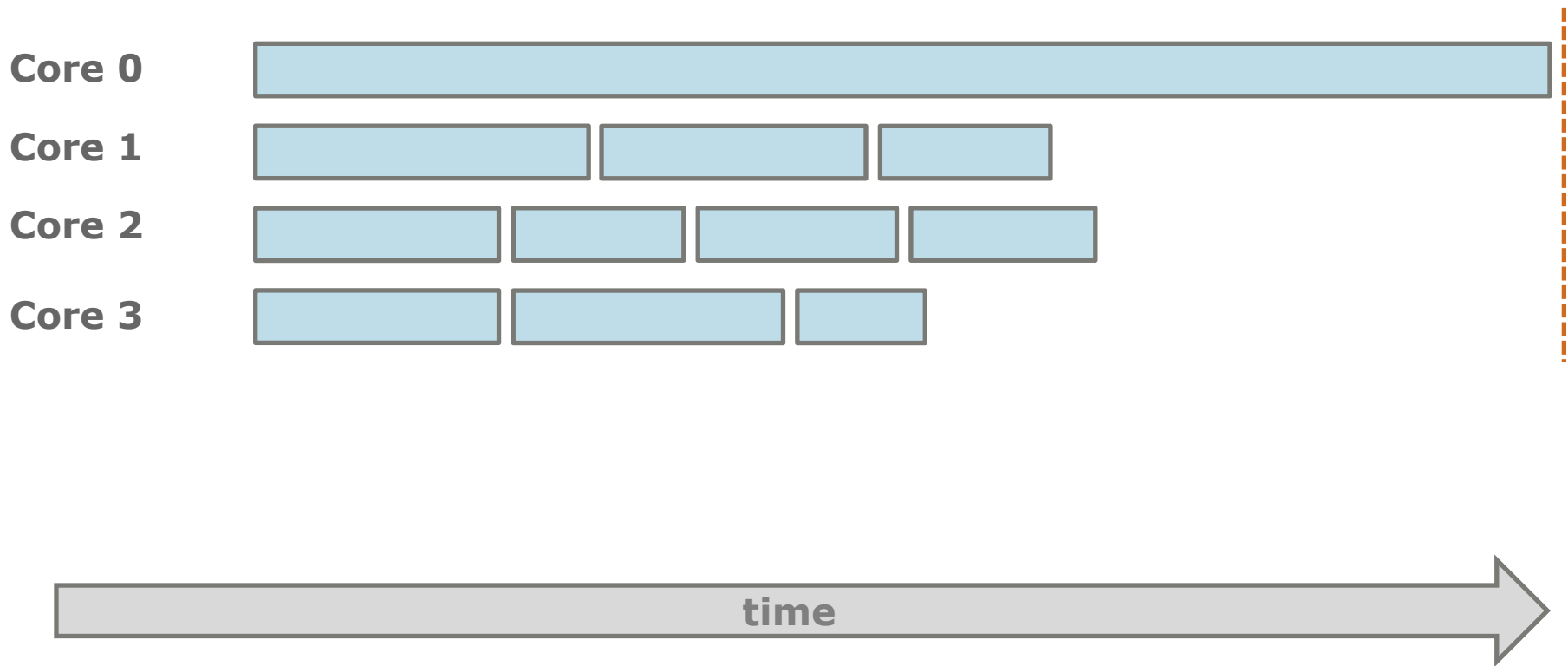
- 64-bit version
- Server load optimization
- M4 architecture

64-bit version

- Main server components available for x64
 - Virtual memory limit 4GB -> 8TB
 - Physical memory 64GB -> 2TB
 - Much better scaling for huge data models
 - 'unlimited' data volume
 - Better performance for memory dependent operations

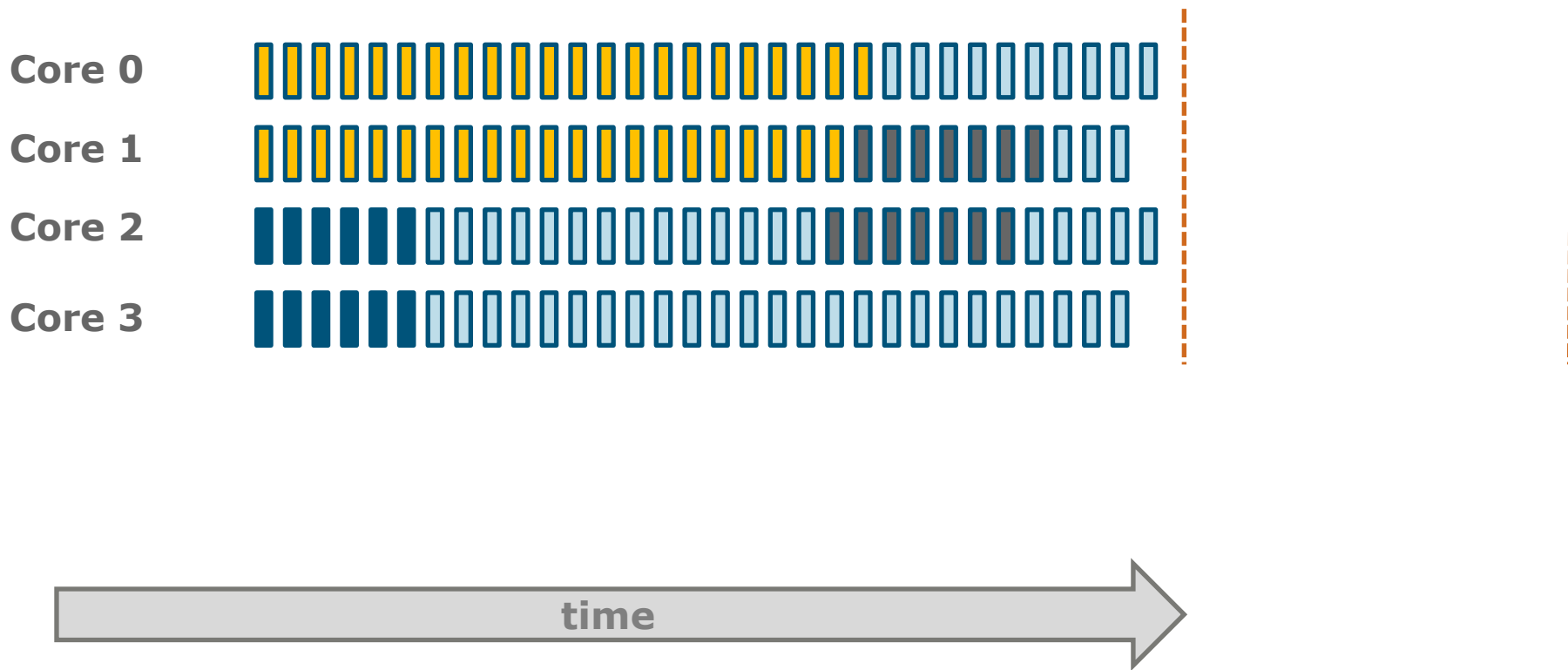
Server load – current

- Each class is assigned to a single core
- Each core loads one class at a time



Server load - optimization

- Each class is divided into parts
- Multiple cores can load parts of the same class



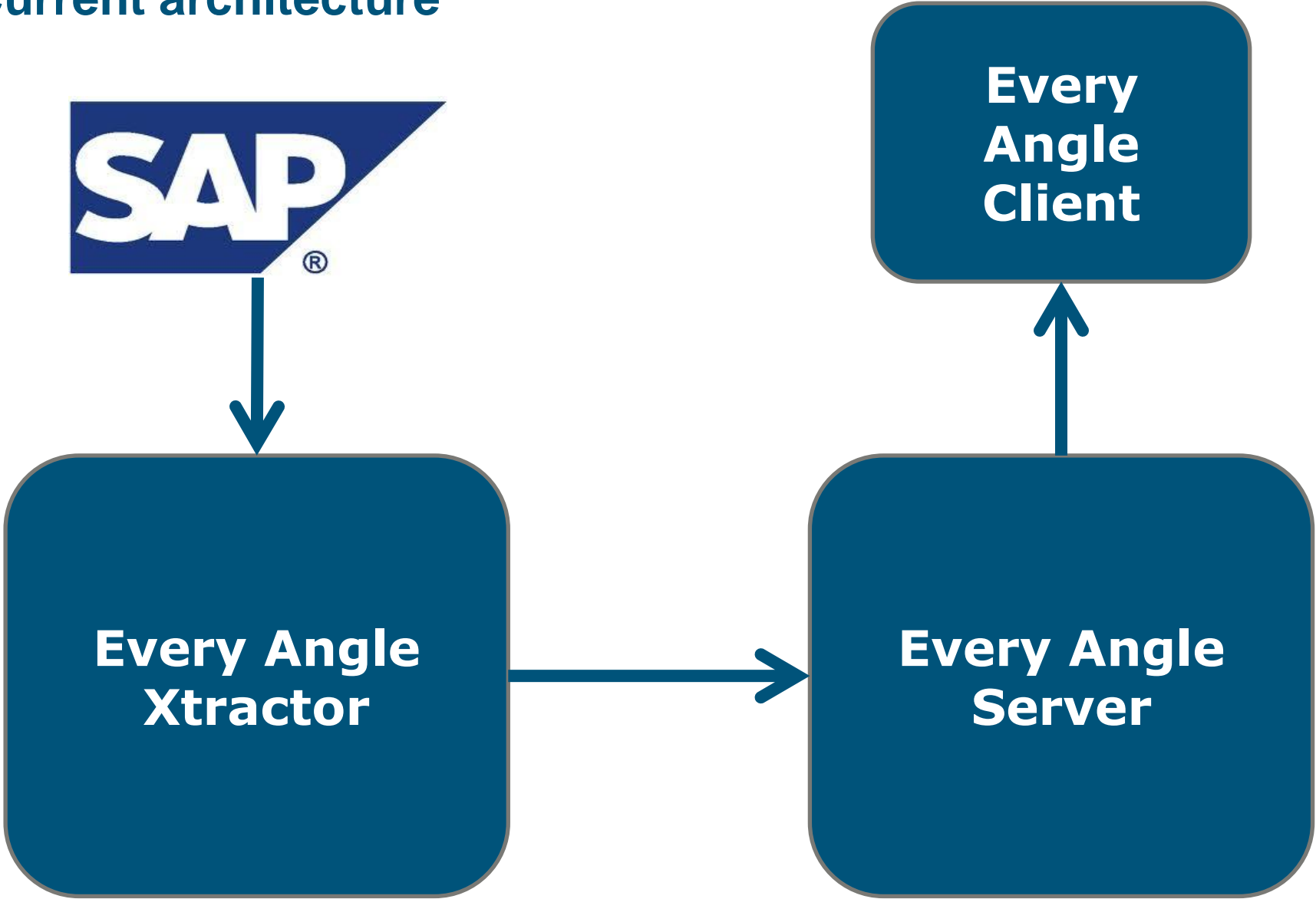
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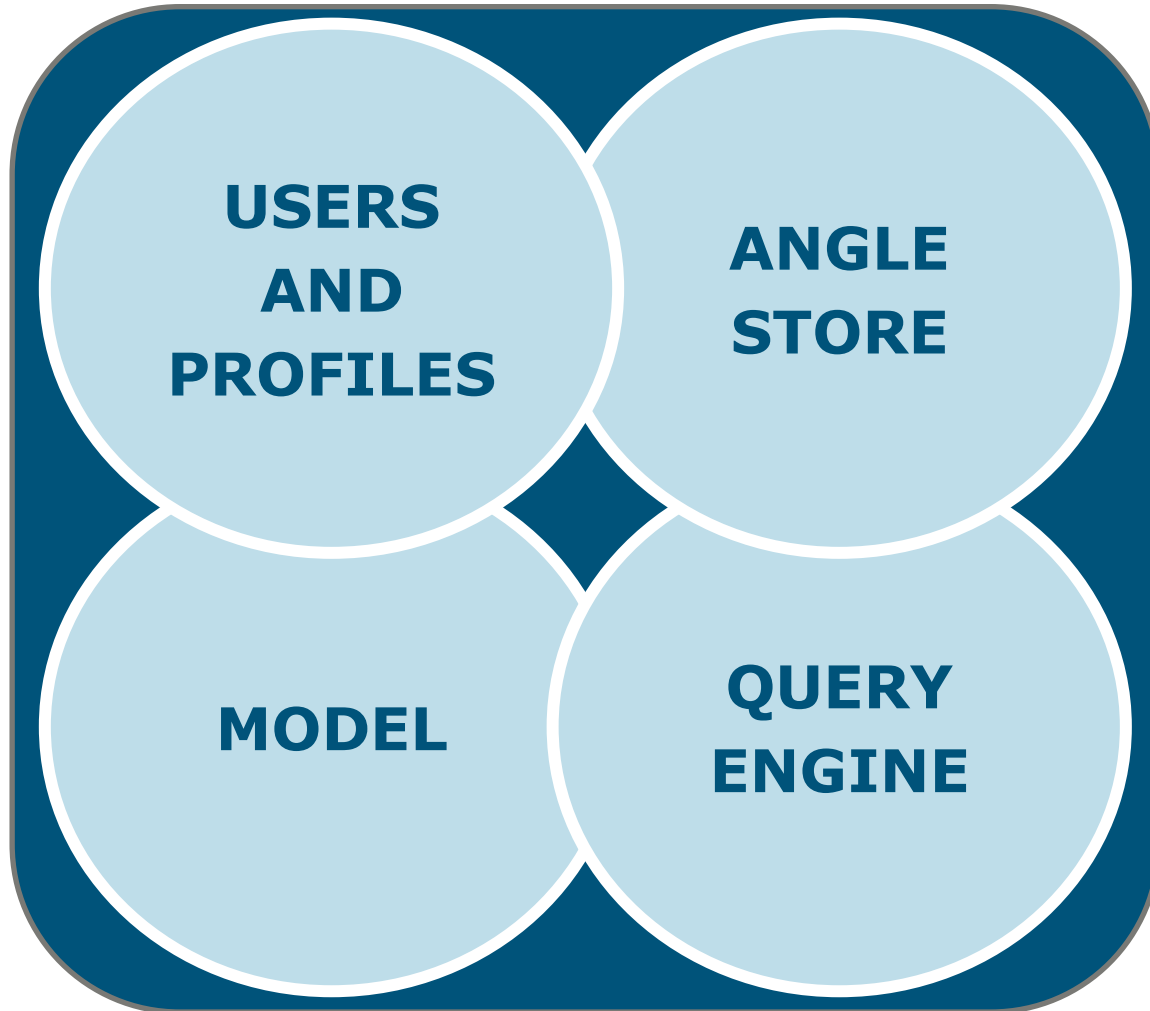
Every Angle architecture

- Current M3 architecture
- M4 architecture overview
- Benefits of the new architecture

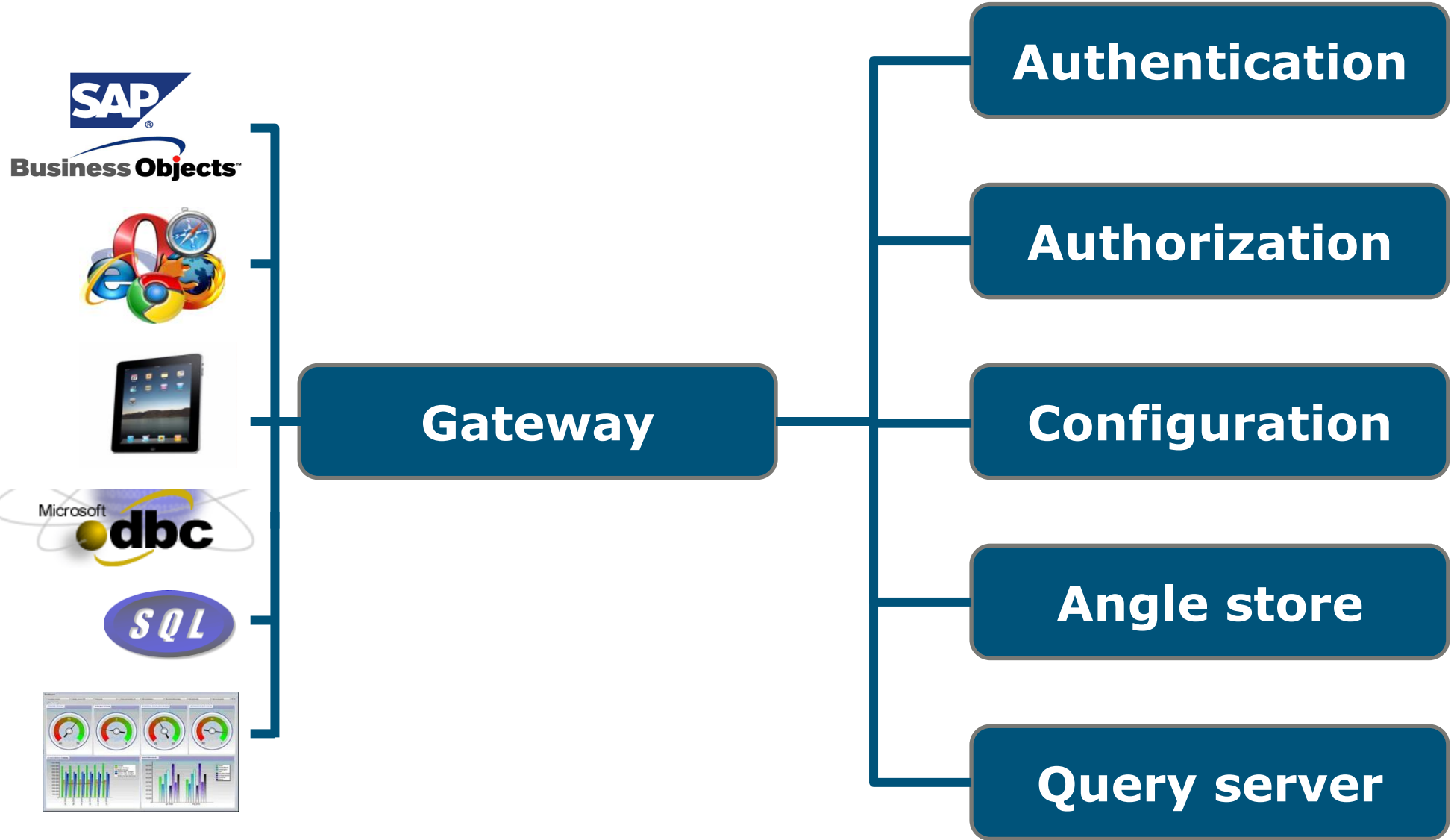
Current architecture



Current architecture – Every Angle server



M4 architecture overview



Benefits of the new architecture

● **Authentication**

● **Authentication**



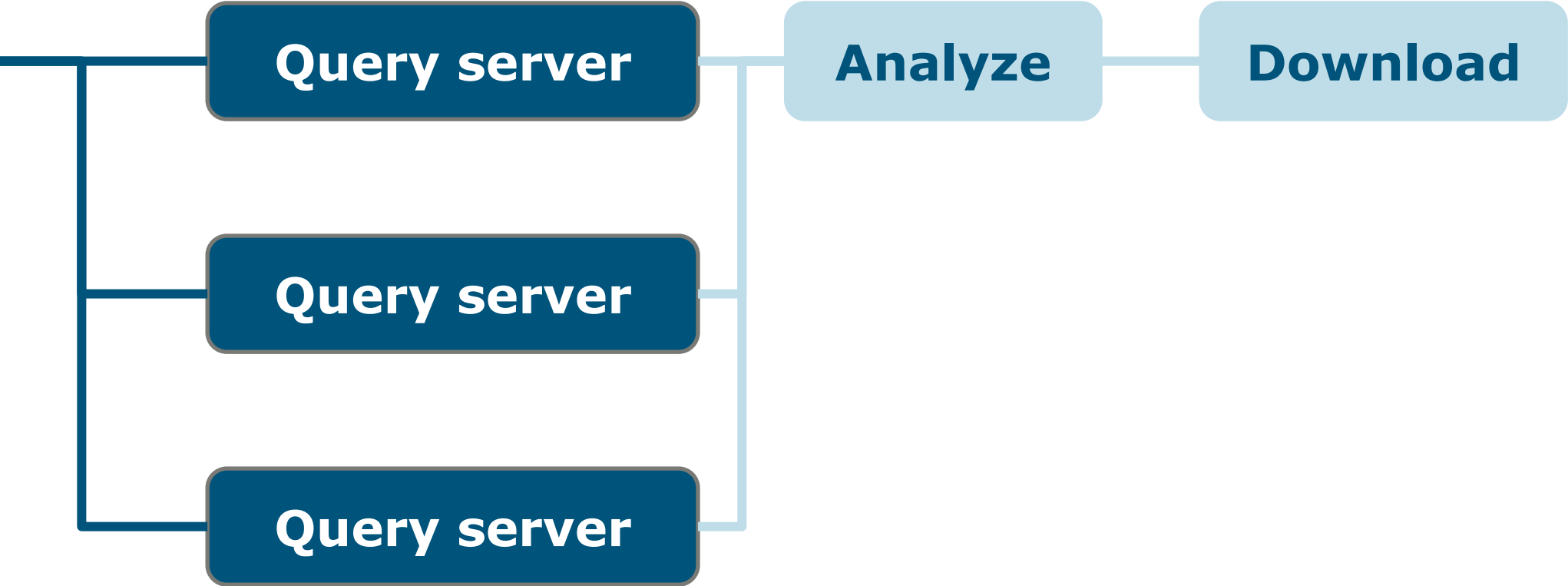
● **Authentication**



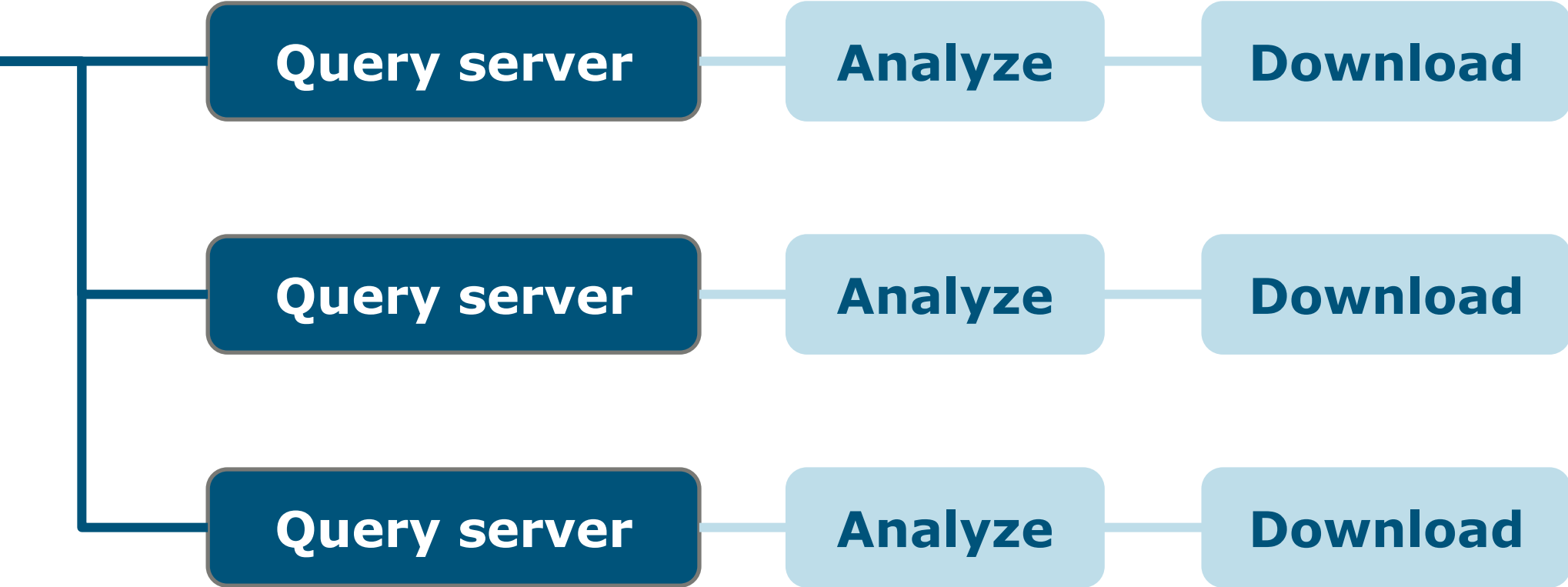
● **Authentication**



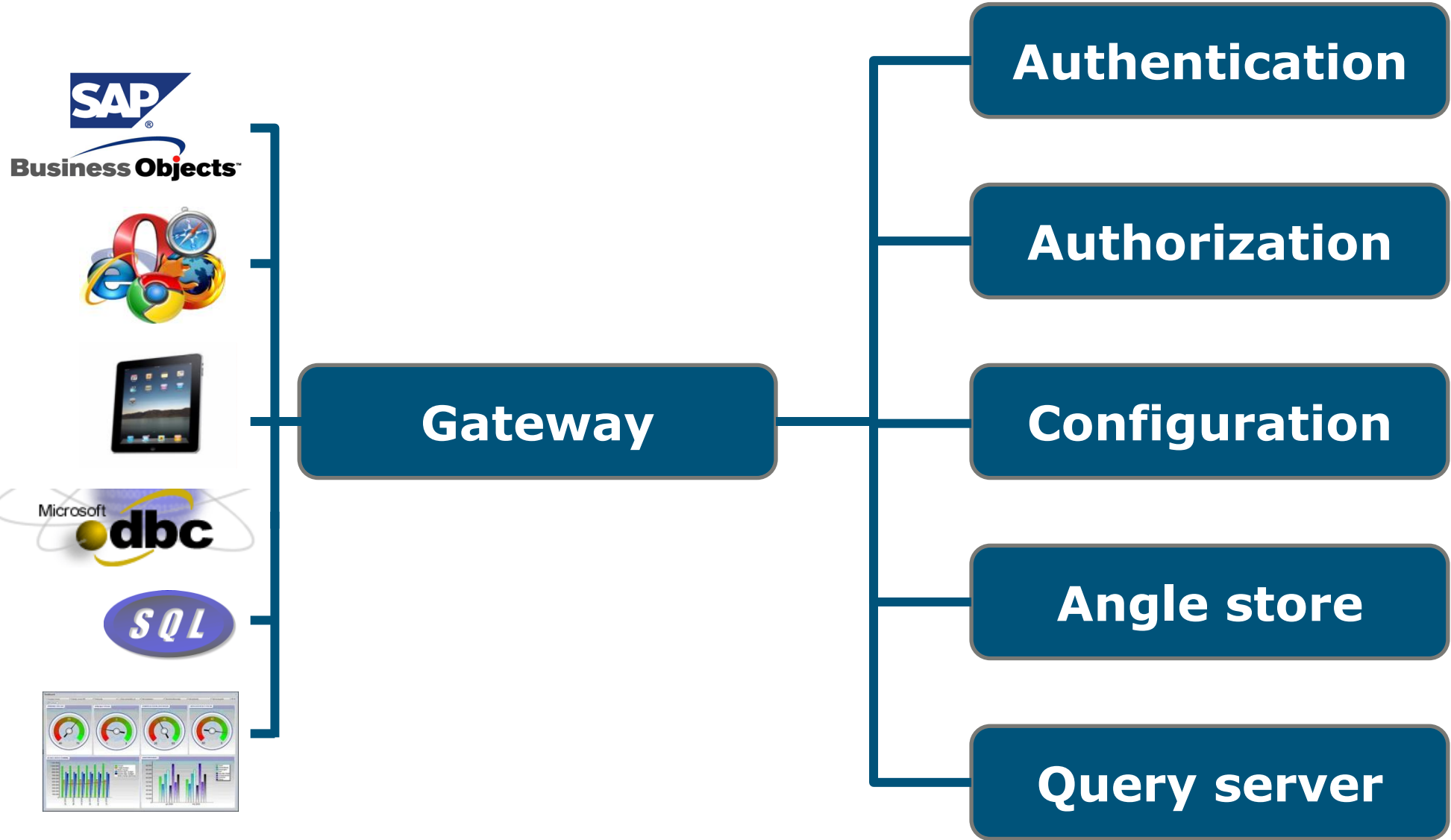
Benefits of the new architecture



Benefits of the new architecture



M4 architecture overview



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Human Resource Management in Every Angle



Three user groups:

1 Employee

- How much leave have I left?
- Is my personal data accurate?
- Is my salary and my claims paid and what amount?

2 Manager

- How many FTE and employees are in the company?
- What is the leave balance company wide?
- How high is our illness rate?
- How many positions are vacant? And for which jobs?
- What is the average gross salary of a function?

3 HR professional

- As Manager, but within her/his own authorisation area

Why is HRM complex?



1 Different data structure philosophy

- HRM was externally bought by SAP
- Validity periods
- Data in Infotypes & cluster tables

2 Complexity of organizational structure

- Not same as in MM or FI
- Nested organisational units
- Positions / Functions / n:m relations, changes over time

3 Security

- Who can see what data based on your organisational position

4 Technically "Cluster tables"

EA-HR: Organizational Management



“HR data can be shown on every organizational level”

For example:

FTE count per department

					Grand Total	
OrgUnitLevel1 /	OrgUnitLevel2 /	OrgUnitLevel3 /	OrgUnitLevel4 /	Organizational unit (Organiz /	Count	ContractedFte [Sum]
= 50028880	= 50000514	= 50000515	= 50000518	50000519 (Human Resources)	3	3
				50000701 (MB Department)	5	4.6
				50000702 (RH Department)	5	4.4
				50001481 (LCM Department)	6	5
				50002303 (KM Department)	6	4
				50002304 (Recruiting Branch - KM)	4	3.5
				50002305 (Benefits Branch - KM)	1	0.5
	50000518 Total				30	25
	= 50014511	= 50014456	= <No value>	50014456 (LMM Department)	4	4
50028880 Total					34	29

EA-HR: OM based Authorisations



“Every HR data is shown based on your position in the Organisation”

For example:
Personnel data

localhost (EMPLOYEE108060) - Every Angle Client

10. Personal data today (1 item)

Organizational unit	Position	Job	Personnel number	First name	Last name	Date of birth	Age	Marital Status
(Employee 0001 organiza...	(Employee 0001 organi...	(Employee 0001 organi...		(Employee...	(Employee...	(Employee...	(Em...	(Employ...
50001481 (LCM Department)	S\50004552 (LCM Director)	50017321 (Director (US))	108060	Emma	Ward	7/4/1946	65	1 (Marrrd.)

10.10.8.82 (MANAGER108000) - Every Angle Client

10. Personnel data Today (34 items)

Organizational unit	Position	Job	Personnel number	First name	Last name	Age	Marital Status
(Employee organizational as...	(Employee organizational assignm...	(Employee organi...		(Employee...	(Employee...	(Empl...	(Employee ...
50000701 (MB Department)	S\50002917 (MB Human Resources G...	50014469 (Generalis...	108026	Elizabeth	Betler	46	1 (Marrrd.)
50000701 (MB Department)	S\50002919 (MB IT Technician)	50029027 (PC Servic...	108027	Imin	Disguise	38	0 (Single)
50000701 (MB Department)	S\50003018 (MB Benefits Coordinator)	50010817 (Clerk)	108028	Richard	Cunningham	41	0 (Single)
50000701 (MB Department)	S\50003909 (MB IT Technician (Split C)	50029027 (PC Servic...	108029	John	Chung	42	1 (Marrrd.)
50002304 (Recruiting Branch - ...	S\50005867 (Recruiter)	50014967 (Recruiter ...	108040	James	Trimmer	61	0 (Single)
50002303 (KM Department)	S\50005863 (Comp Spec)	50040299 (Compens...	108041	Teri	Knowlton	51	0 (Single)
50002303 (KM Department)	S\50005863 (Comp Spec)	50040299 (Compens...	108042	Stephanie	Jones	36	1 (Marrrd.)
50002304 (Recruiting Branch - ...	S\50006829 (Recruiter)	50014967 (Recruiter ...	108043	Jacquiline	Ferris	34	0 (Single)
50002304 (Recruiting Branch - ...	S\50006830 (Recruiter)	50014967 (Recruiter ...	108044	Laurence	Harris	33	0 (Single)
50001481 (LCM Department)	S\50004552 (LCM Director)	50017321 (Director (...	108060	Emma	Ward	65	1 (Marrrd.)
50001481 (LCM Department)	S\50004553 (LCM Human Resources ...	50014469 (Generalis...	108061	Arnold	Corbin	50	1 (Marrrd.)
50001481 (LCM Department)	S\50004555 (LCM Benefits Coordinator)	50034123 (Benefits C...	108062	Carol	Harris	51	0 (Single)
50001481 (LCM Department)	S\50004558 (LCM Recruiter - External)	50014967 (Recruiter ...	108063	Shane	Creedon	36	3 (Divor.)
50001481 (LCM Department)	S\50004554 (LCM Benefits Coordinator)	50034122 (Benefits C...	108064	Jacob	Simone	40	0 (Single)
50001481 (LCM Department)	S\50008275 (LCM General)	50034125 (Union Co...	108065	Patrick	O'Leary	41	1 (Marrrd.)
50001481 (LCM Department)	S\50004557 (LCM Recruiter - Internal)	50014967 (Recruiter ...	108067	George	Sawyer	41	
50014456 (LMM Department)	S\50014458 (Director of Human Reso...	50029024 (Director (...	109301	Kim	Hammond	53	1 (Marrrd.)
50014456 (LMM Department)	S\50014467 (Manager of Human Res...	50029038 (Manager ...	109302	Rick	McDowell	58	1 (Marrrd.)
50014456 (LMM Department)	S\50016451 (HRIS Manager LMM)	30018320 (10 Huma...	109303	Dave	Brammer	49	1 (Marrrd.)
50014456 (LMM Department)	S\50014471 (HR Generalist---LMM)	50014469 (Generalis...	109304	Vicki	Fein	55	0 (Single)

EA-HR: Validity periods



“Every HR data element has a validity period which allows you to create time based angles”

For example:

- Personal data changes
- Open leave (in days)

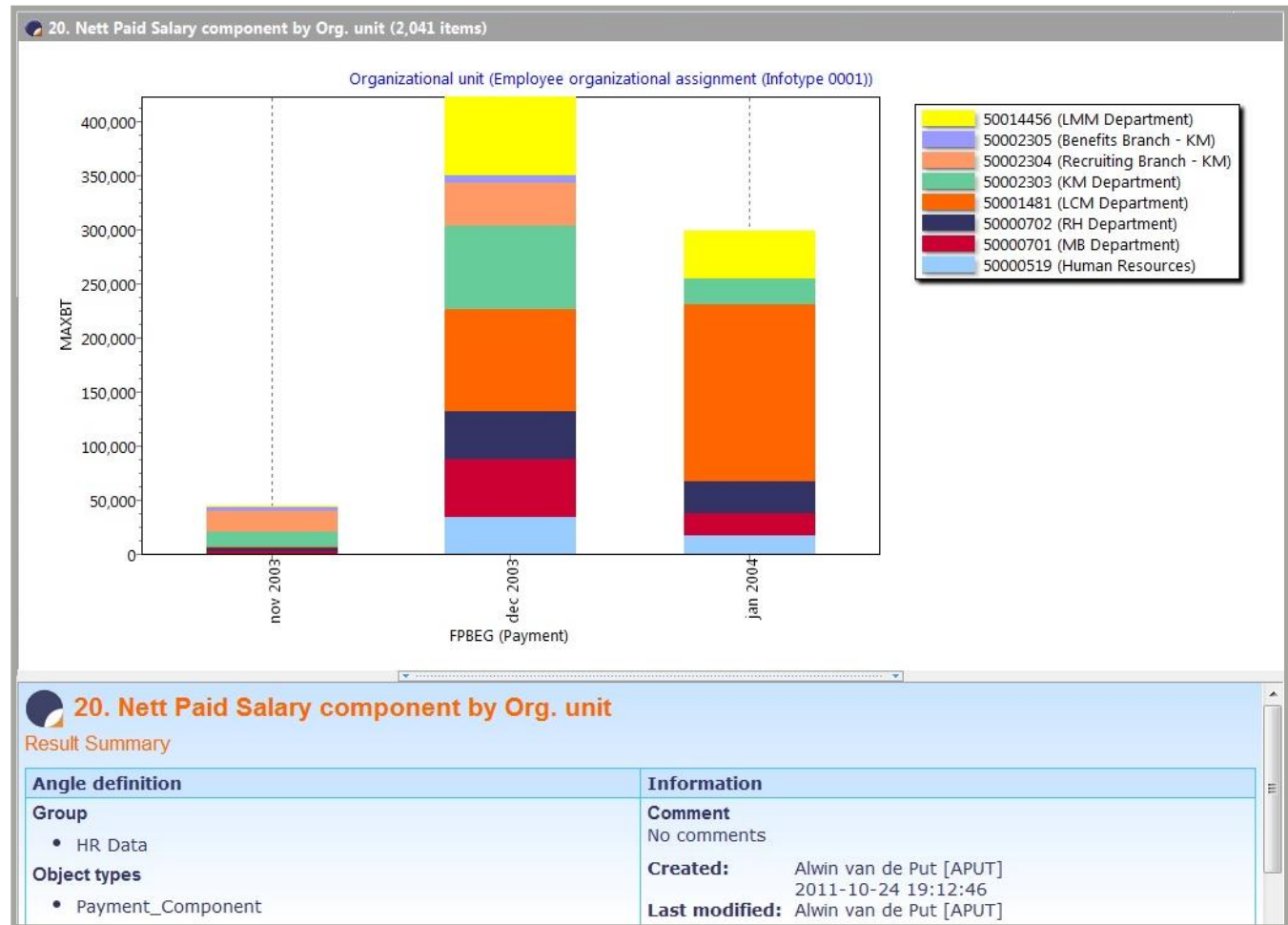
Employee	Address type	Start Date	End Date	Street and House No.	Postal Code	Region	City
109303	1 (Permanent residence)	1/1/1997	4/28/1999	13 Wilde Ave	19026	US\PA (Pennsylvania)	Drexel Hill
109303	1 (Permanent residence)	4/29/1999	12/31/9999	432 Burmont Road	19026	US\PA (Pennsylvania)	Drexel Hill
109303	2 (Temporary residence)	9/1/1997	9/1/1998	101 Red Lion Rd	19054	US\PA (Pennsylvania)	Huntingdon ...
109303	4 (Emergency address)	1/1/1997	5/2/1999	98-A Havertown Rd	19701	US\DE (Delaware)	Wilmington
109303	4 (Emergency address)	5/3/1999	12/31/9999	234 Main Street	02112	US\MA (Massachusetts)	Lexington
109303	5 (Mailing address)	1/1/1997	12/31/9999	PO Box 99	19113	US\PA (Pennsylvania)	Philadelphia

Personnel number (Employee)	Employee/app.name (Employee organizati...	JAH4	Absence quota type	Quota text	QuotaDays	OpeningBalanceDays	UsedQuotaDays	ClosingBalanceDays
1000	Anja Müller	2002	9	Leave (Days)	30	30	10	20
1000	Anja Müller	2004	9	Leave (Days)	30	50	0	50
1000	Anja Müller	2005	9	Leave (Days)	30	80	0	80
1000	Anja Müller	2006	9	Leave (Days)	30	110	0	110

EA-HR: Cluster tables

“Every HR also contains cluster table data”

For example:
 Nett salary payments



Mini Automated Client

EAMAC Editor

JobLists Help

Daily mail and save

Add new job of type: EMAIL

Name

- General Job list settings
- Mail: Mrs Simpson
- Mail: Planning list 1
- Mail: Planning list 2
- File save: Purchase part 1
- File save: Missing parts
- Mail: Missing parts vendor 1
- Mail: Mssing parts vendor 2
- SMS: big new contracts yesterday
- Mail: Mr Hendersons overview

Angle

Execute job if number of entries in angle is >= or <=

Subject of the email

body text

Addresses

CC

BCC

undisclosed recipients

attach no attachment
 angle result (max 50 lines)
 angle result
 angle link

Your votes please 2011

Please give us your votes to help us make the right decisions for future releases.

Thanks!

Please give a total of 100 points to the following topics

Client

- Browser clients
- Extended charting on website
- Instruction movies in client
- Calculated fields in client
- Other:

Server

- Retrieve data from any source
- Send results to any target
- APO extension
- CRM/SRM support
- Run real-time on HANA
- Multiple SAP systems in 1 EA server
- Support AFS
- Extend standard SAP functionality
- Other:

Extractor

- Get data fast from HANA
- Faster download
- Other:

System management

- User via Active Directory
- Get users from SAP
- Improved maintenance
- Other:

TOTAL _____