

Business Intelligence applications developed with IBM's Cognos

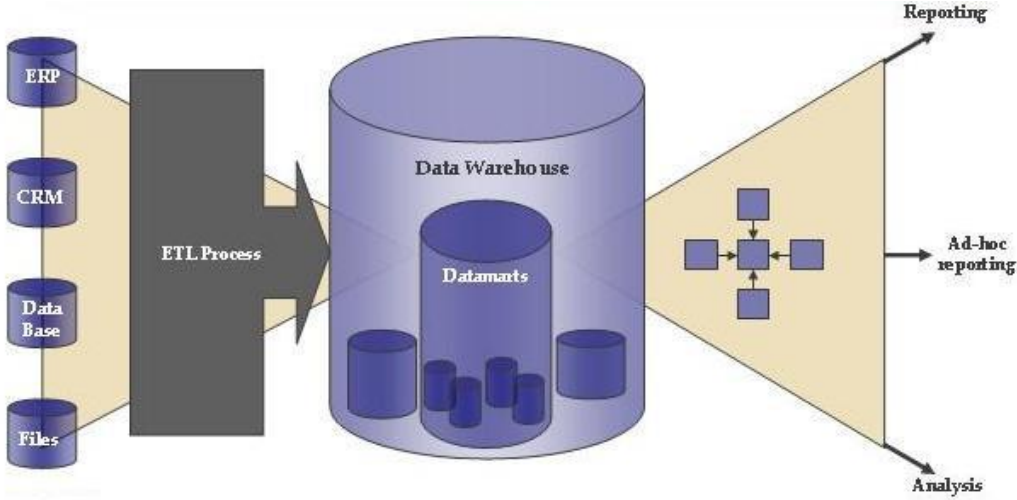
Technical white paper
Consulting Engineering



www.lazarovconsulting.com

Data from different sources is coming to the environment, ready to be used for

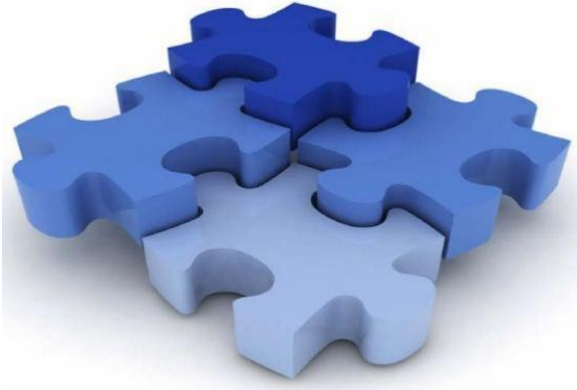
- Reporting a
- Ad - hoc reporting
- Analysis



Special Data Mart designing - better performances for the defined reporting environment



Data analysis– data match between source and destination always must be the case

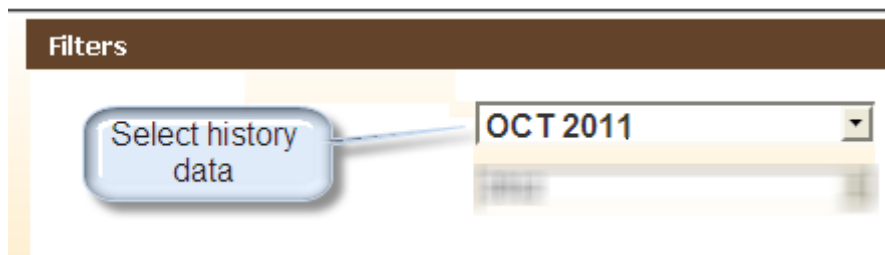


Reporting application – is not just report

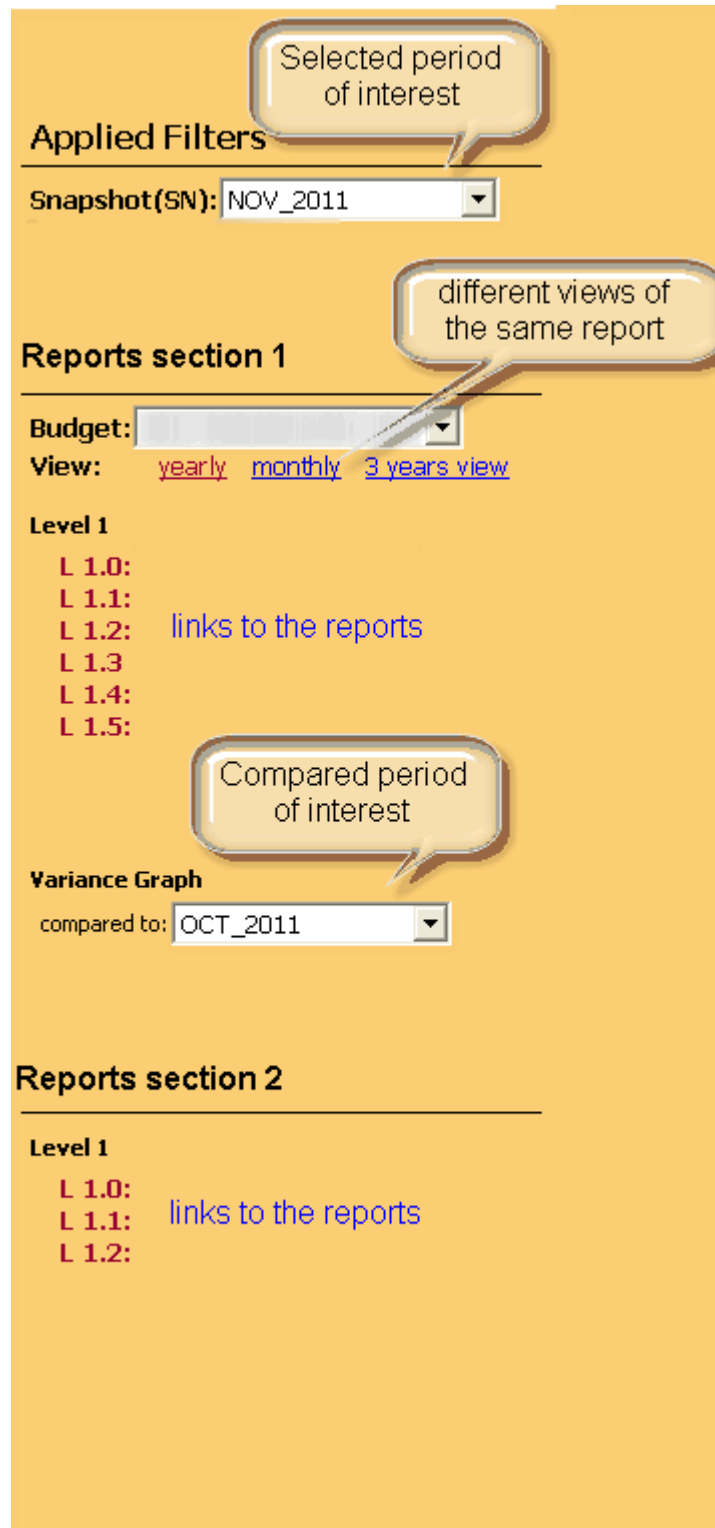
- All related reports in one place
- Navigation section in each of the reports
- Link everywhere from everywhere
- Filter the report data
- Use the same filtering options everywhere in the environment
- Link different data levels for the same reports
- Keep and organize the history data
- Use the old data and make assumptions
- Use the future forecast and make decisions
- Compare the data between selected periods
- Check the variance between selected periods
- Following the trend line
- KPI solutions
- Coloring the KPI based on the dynamic definitions and get better perception
- ...

Yes, all of the above is real and it is already working in our solutions

- Data snapshot from interest
 - o Data from the past
 - o Last updated date



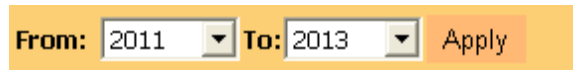
- Navigation section - part of each report:



Using the navigation section which is the same for each report, the user can navigate from one to another report using the same filtering criteria.

Filtering criteria can be changed on each of the reports and they are valid for each navigation link.

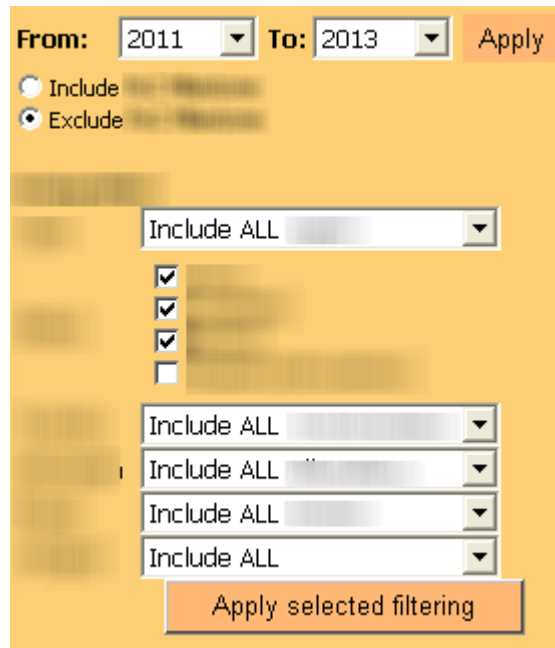
Time frame as filtering option:



From: 2011 To: 2013 Apply

Get only the period which is of your interest

More filtering options on the navigation section



From: 2011 To: 2013 Apply

Include
 Exclude

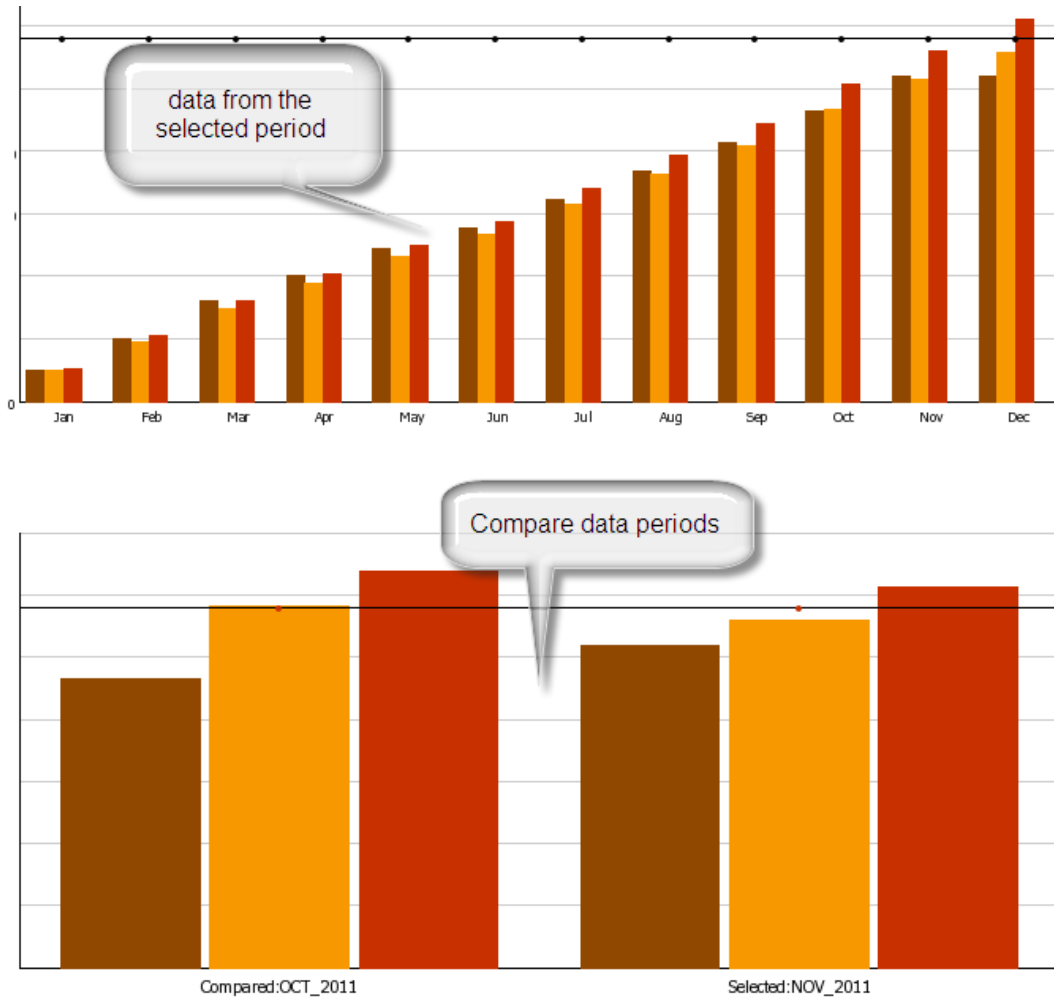
Include ALL

Include ALL
Include ALL
Include ALL
Include ALL

Apply selected filtering

Dependent of the data level which is analyzing

Data related to se selected period of interest and the comparable data in one place:

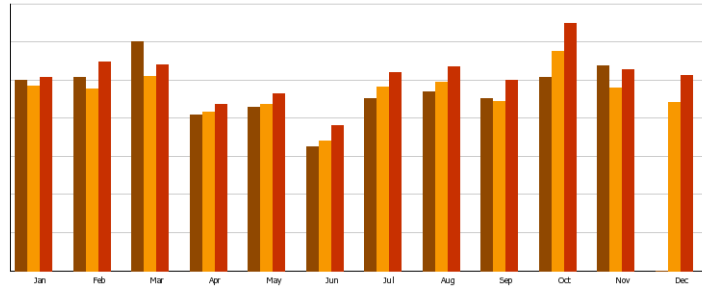


Additional analysis based on the variances of the selected periods:

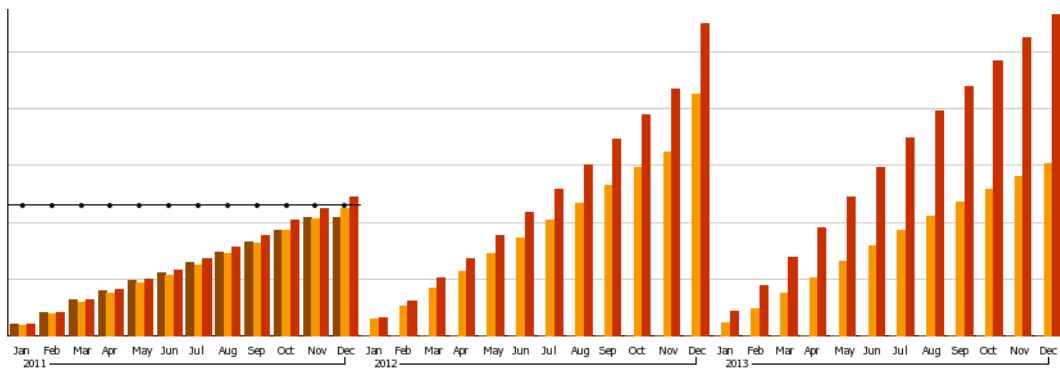
	Compared to:	Selected:	Variance:	
	OCT_2011	NOV_2011	calculation method	
	Full Year	Full Year	Selected - Compared to full year	
			Δ	Δ %

Different views of the same:

- Monthly



- 3 years view



The same costs in more details together with the variances analysis:

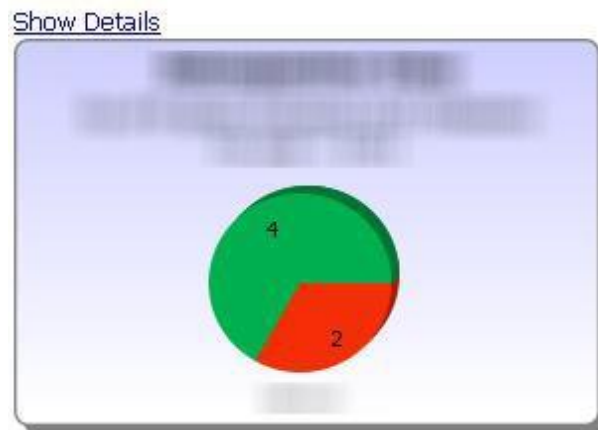
		Selected SN: NOV_2011				Compared to: OCT_2011				Calculated Variances								
		FC	wFC	wFC_YTD	ACT	FC	wFC	wFC_YTD	ACT	Δ KUSD				Δ %				
Total		FC	wFC	wFC_YTD	ACT	FC	wFC	wFC_YTD	ACT	FC	wFC	wFC_YTD	ACT	FC	wFC	wFC_YTD	ACT	
	000000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000001	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000002	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000003	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000004	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000005	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000006	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000007	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
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	000009	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
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	000011	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
	000012	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
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	000019	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
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The costs grouped by attributes presented in more graphical design



All of the report items have a link to the appropriate level of interest.

Data in one chart for better perception:



Details on the same place:

- What is inside the green (which are the four items)
- What is inside the red (which are the two items)

[Hide Details](#)

Category 1		Category 2	
Item 1	Value 1	Item 3	Value 3
Item 2	Value 2	Item 4	Value 4
Item 3	Value 3	Item 5	Value 5
Item 4	Value 4	Item 6	Value 6

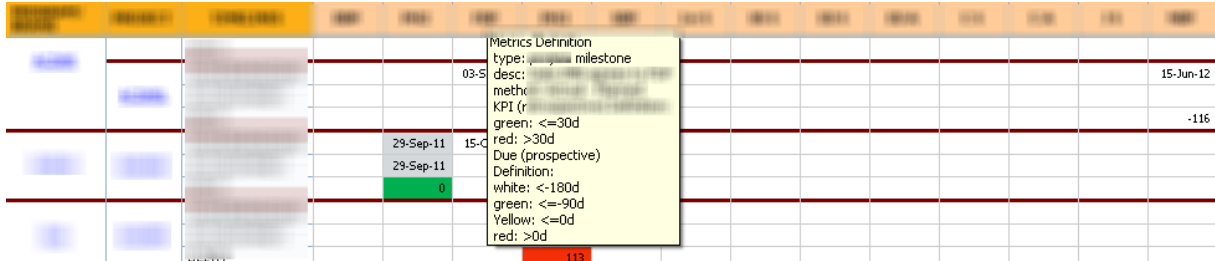


KPI definition coloring:

Item	Value	Color
Item 1	-560	White
Item 2	-196	White
Item 3	-406	White
Item 4	0	Green
Item 5	-603	White
Item 6	113	Red
Item 7	26	Light Red
Item 8	77	Light Red
Item 9	-63	Green
Item 10	-163	Light Green

- Change your coloring algorithm dynamic when ever you like
- Change your coloring definition dynamic when ever you like

- Show your KPI definition description

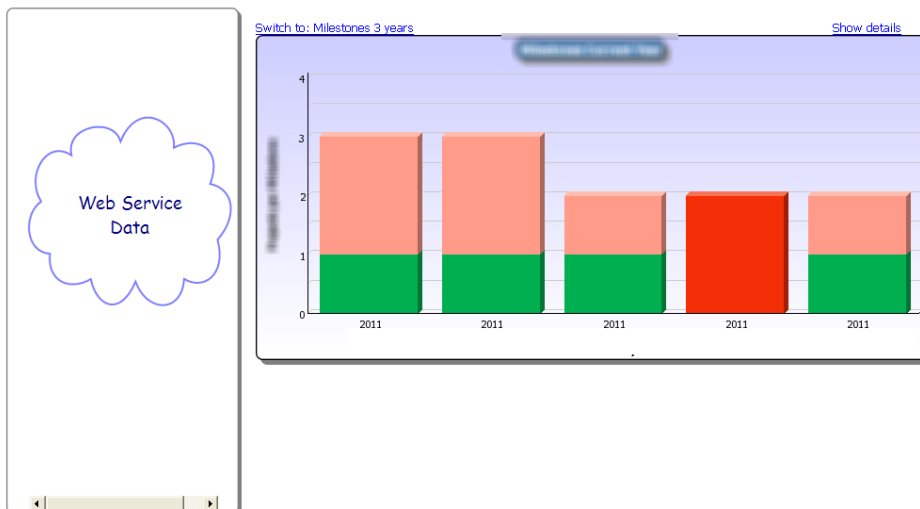


- Change your KPI description dynamic when ever you like

Show the KPI in more details for the selection on interest:



Introduce new items in the reports from the web services and linked to the report page



Check your check points inside the specified period

- what is Completed and when
- what is coming and when it is planned to be done

Applied Filters

Snapshot: NOV 2011
Franchise: ...

Time Frame

From: FEB 2012
To: NOV 2012

View

table view [pivot view](#)

MS Completion

ALL Completed Uncompleted

Milestones

check all uncheck all

YEAR	MONTH	Milestones	Actual	Planned
2012	FEB			15-Feb-12
				01-Feb-12
				15-Feb-12
				03-Feb-12
				21-Feb-12
				15-Feb-12
				01-Feb-12
	MAR			30-Mar-12
	MAY			04-May-12
				15-Nov-11
				10-May-12
				31-May-12
				07-May-12
				28-May-12

Your check points inside the navigation and filtering section.

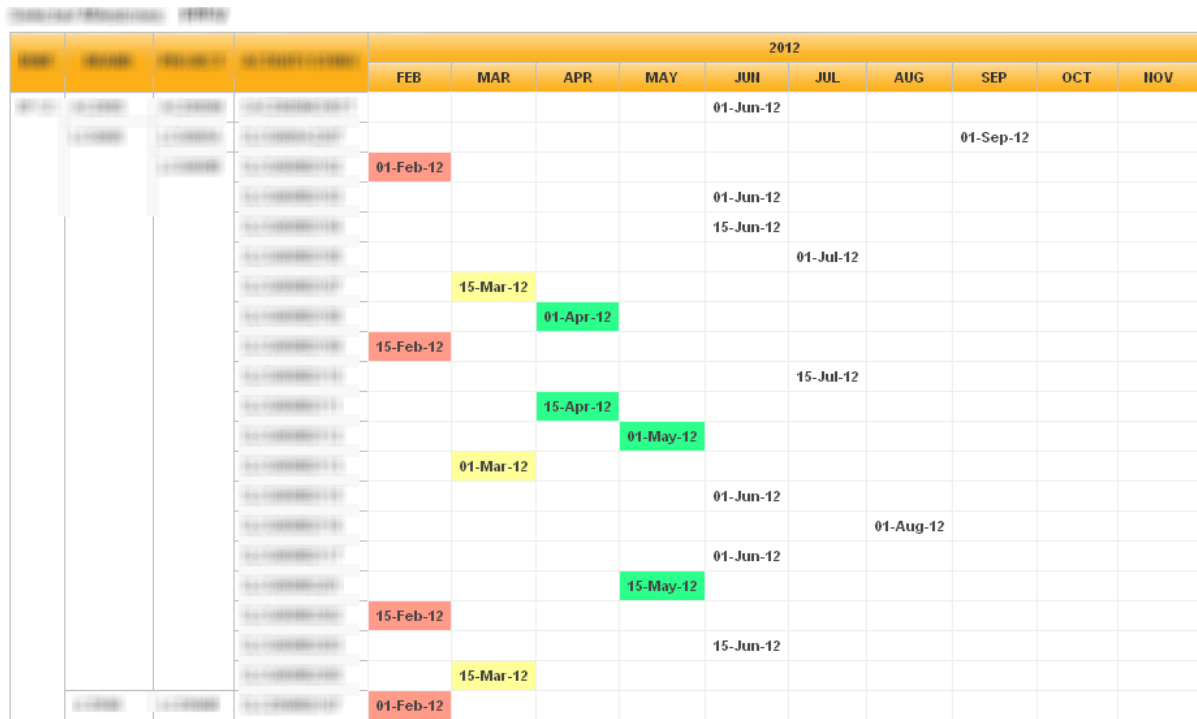
Milestones

check all uncheck all

check all uncheck all

Check points are dynamic and you can change it every time together with the coloring options

Different view for the same: What is coming next?



You can always change the period which is of your interest:

Time Frame

From: FEB 2012

To: NOV 2012

You can always select what you are interesting for:

- Completed points – you can see when they are completed
- Uncompleted points – you can see when they need to be completed
- All

MS Completion

ALL Completed Uncompleted

You can always reduce the points of interest using the navigation filtering options:

Milestones

Display Milestones	Check All
<input checked="" type="checkbox"/> 1st	<input checked="" type="checkbox"/> 1st
<input checked="" type="checkbox"/> 2nd	<input checked="" type="checkbox"/> 2nd
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check all uncheck all check all uncheck all