



CREATIVE Associates Belgium

Monthly IT Capacity Dashboard

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Executed on: 04-Feb-14

Reported period: From 01-Jan-14 to 31-Jan-14

Projection Period (days): 183.0

Platform: [Solaris](#)

EVALUATION PERIOD

We applied the no filtering on the extracted period, so 24h/24h and 7d/7d are processed.

Analysis period & expected nr. of datapoints	
Date	1h-Population
Jan 2014	744.00

REPORT DESCRIPTION

This **Capacity** dashboard serves to validate whether the overall Solaris IT Infrastructure of will encounter resources shortage, for CPU MEMORY SWAP I/O & LAN, in the near future.

A period of six months (1h data points) have been used to forecast the next 6 months. The linear regression formular ($Y = aX + b$) has been applied on the data to get these results.

Data Quality

The following solaris servers are part of the evaluation, we also indicate the data quality/availability for the period of analysis via the following rule [0..30=**red**,30..70=**yellow**,70..100=**green**].

PRODUCTION Servers

Date	bacserver	mogol1	sunny
Jan 2014	97.31	98.12	97.72

TEST & DEV Servers

Date	MOGOL1Z1	solvirt1
Jan 2014	81.32	23.52

OVERALL CAPACITY STATUS

Here we give show the overall state of the **production** and **test & development** servers on the Capacity level. In case one or more issues occurred, on any resource mentioned below, the status will be indicated with a 'lightning' icon, otherwise it will be 'sunny' state.

[Production:](#)



[Test & Development:](#)



The following rules have been configured in this report in order to generate a capacity incident (are very low to have some incidents, should be correctly set for a real production environment):

*CPU: **Above** threshold of 2 % utilization.*

*MEMORY: **Below** threshold of 1 % unallocated/free memory.*

*SWAP: **Below** threshold of 200 MBytes unallocated/free swap space.*

*I/O Disk: **Above** threshold of 1 % utilization.*

I/O Channel: Under investigation.

*LAN: **Above** threshold of 0.008 % of the bandwidth utilization (we use the interface speed in the calculation).*

GLOBAL CAPACITY BY SERVER

Production

Go to the [Production Capacity By Server & Resource Overview](#)

Production Servers	
	Total
bacserver	
mogol1	
sunny	

Test & Development

Go to the [TestDev Capacity By Server & Resource Overview](#)

Production Servers	
	Total
MOGOL1Z1	
solvirt1	

CAPACITY BY SERVER AND RESOURCE

We applied the following rule to define the **Capacity state**:

If no threshold breach within the projected period of 183.0 days => **green**, otherwise => **red**.

Production

Go to the [Detailed Production Reports](#)

Forecast Detailed Incident Dashboard PRODUCTION					
	CPU	FRMEM	SWAP	DISK	LAN
bacserver	✓	✓	✓	✗	✓
mogol1	✓	✓	✓	✓	✓
sunny	✗	✓	✓	✗	✓

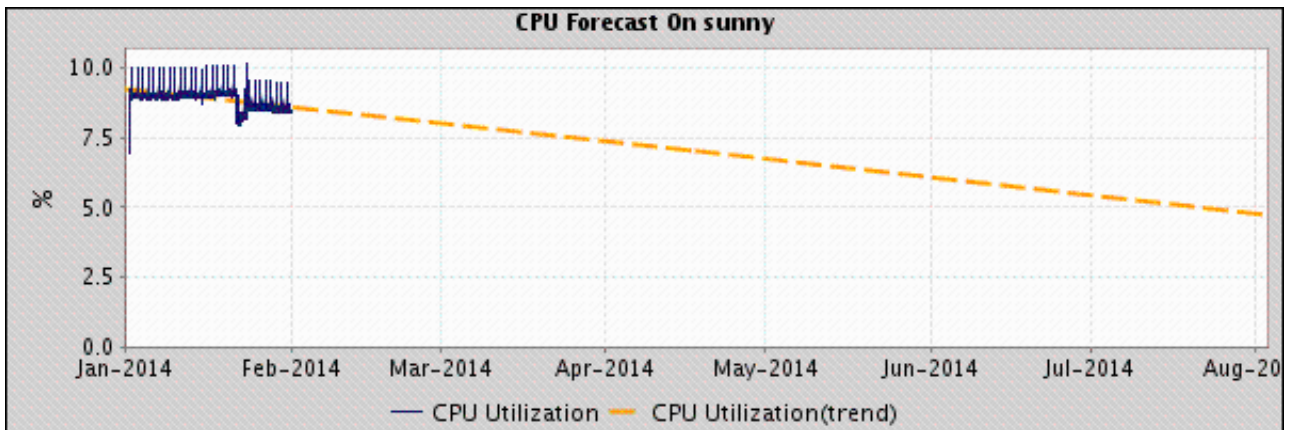
Test & Development

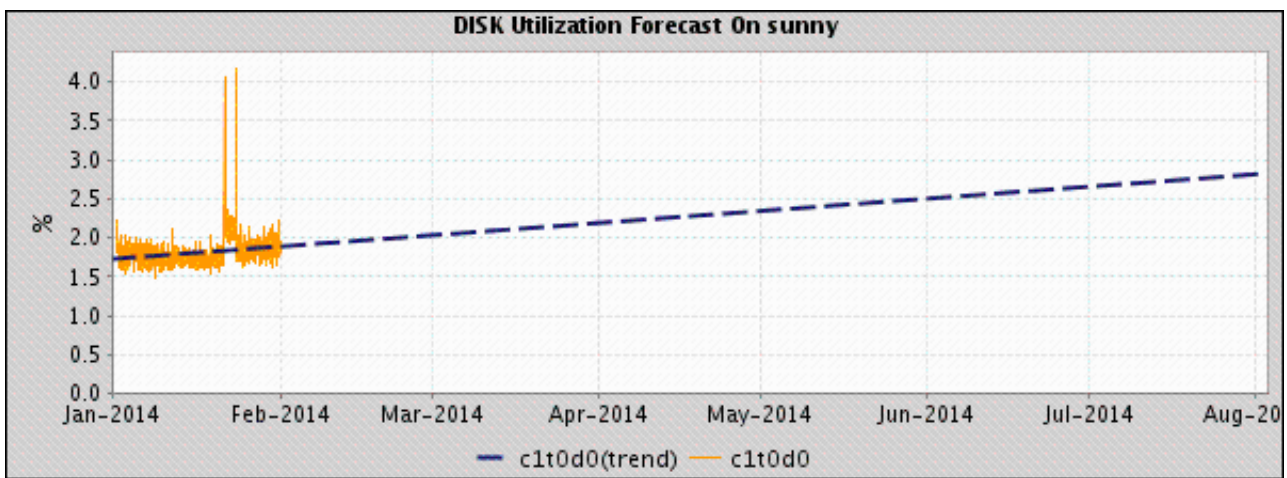
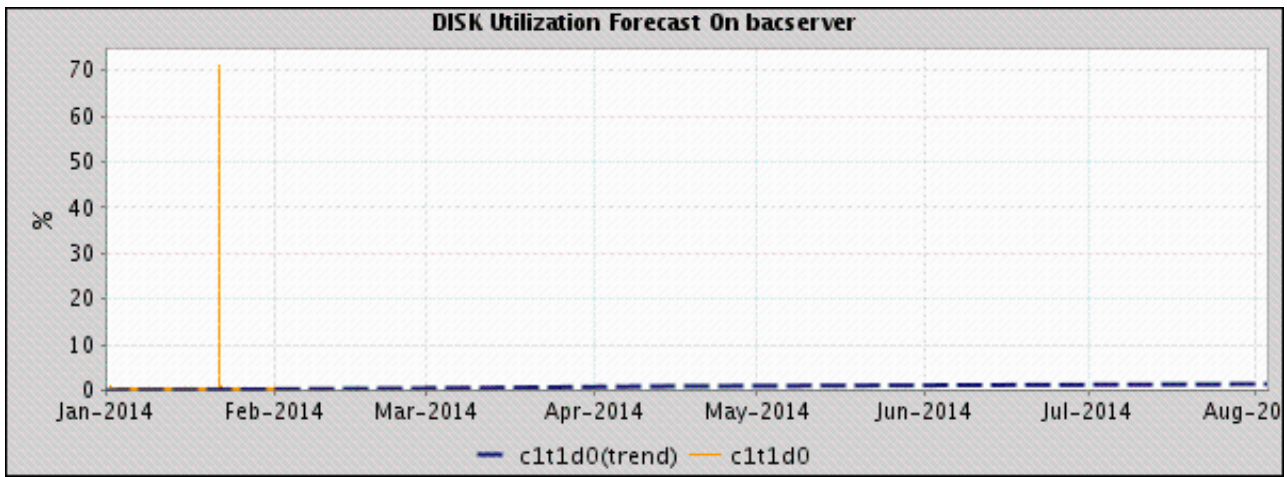
Go to the [Detailed T&D Reports](#)

Forecast Detailed Incident Dashboard Test & Development					
	CPU	MEMORY	SWAP	DISK	LAN
MOGOL1Z1	✓	✓	✓	✓	✓
solvirt1	✓				

DETAILED CAPACITY CHARTS

Production





Test & Development

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