





Capacity Optimization Tool:

What you should expect from a good capacity optimization tool and a surprising benefit of having a good tool

Presented to you by:





Agenda

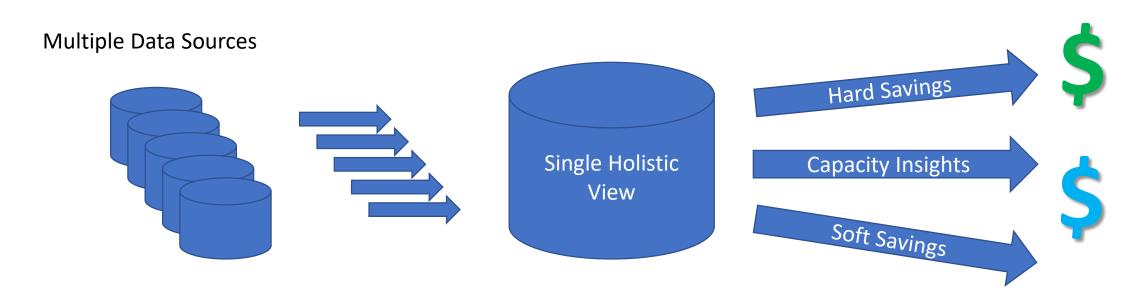
- ☐ Define our Purpose/ Goal of Capacity Management
- ☐ Keys to achieving the Goal A good tool
- ☐ A good tool delivers Reports and Actionable Intelligence
- ☐ Gestalt Psychology (yes it applies!)
- ☐ Summary and Capacity Management "Must Haves"
- Questions



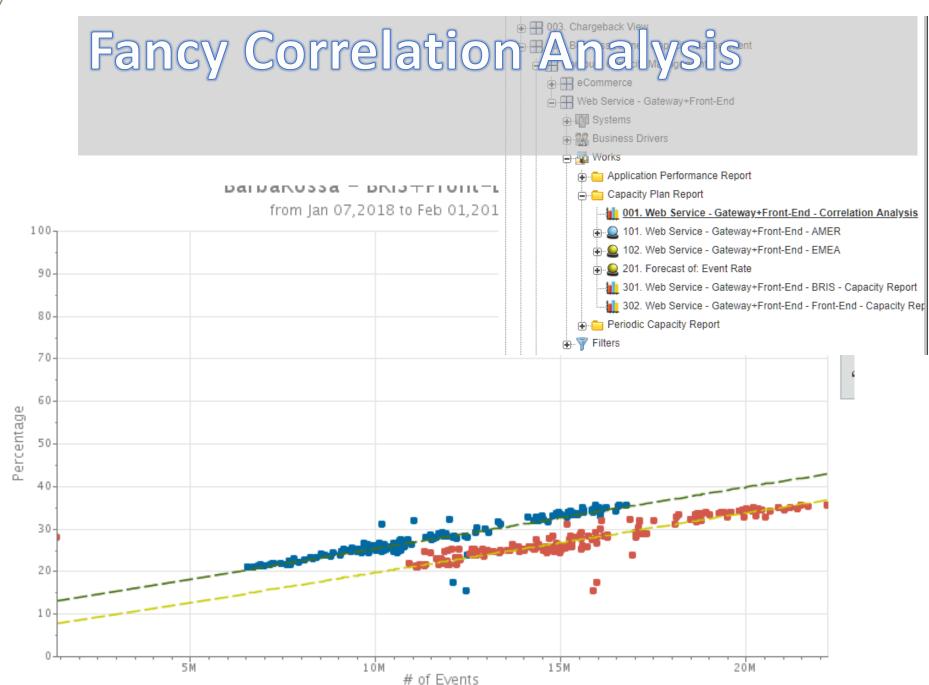
Purpose / Goal of Capacity Management

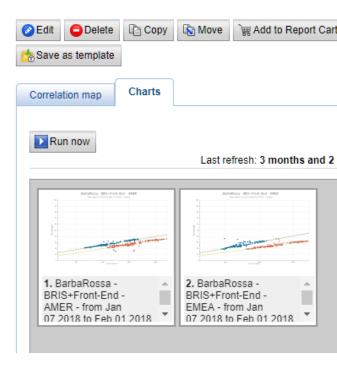
"Transparently and consistently arrive at useful capacity optimization insights, in a reasonable amount of time, with reasonable effort, and in enough time to effect a positive capacity management outcome."

The goal is not 'Zero Waste' but Efficient Utilization



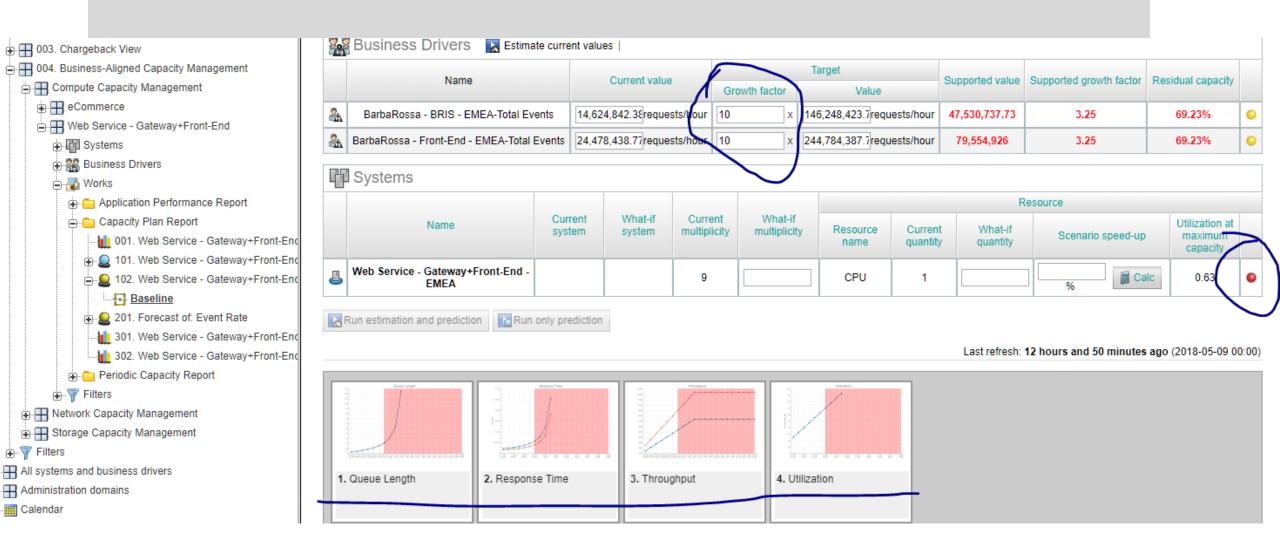








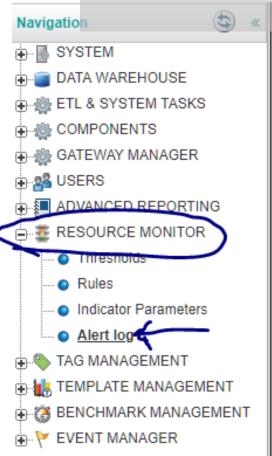
Capacity Analysis and What IF Modeling



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Search

Administration > RESOURCE MONITOR > Alert log > Alert entities

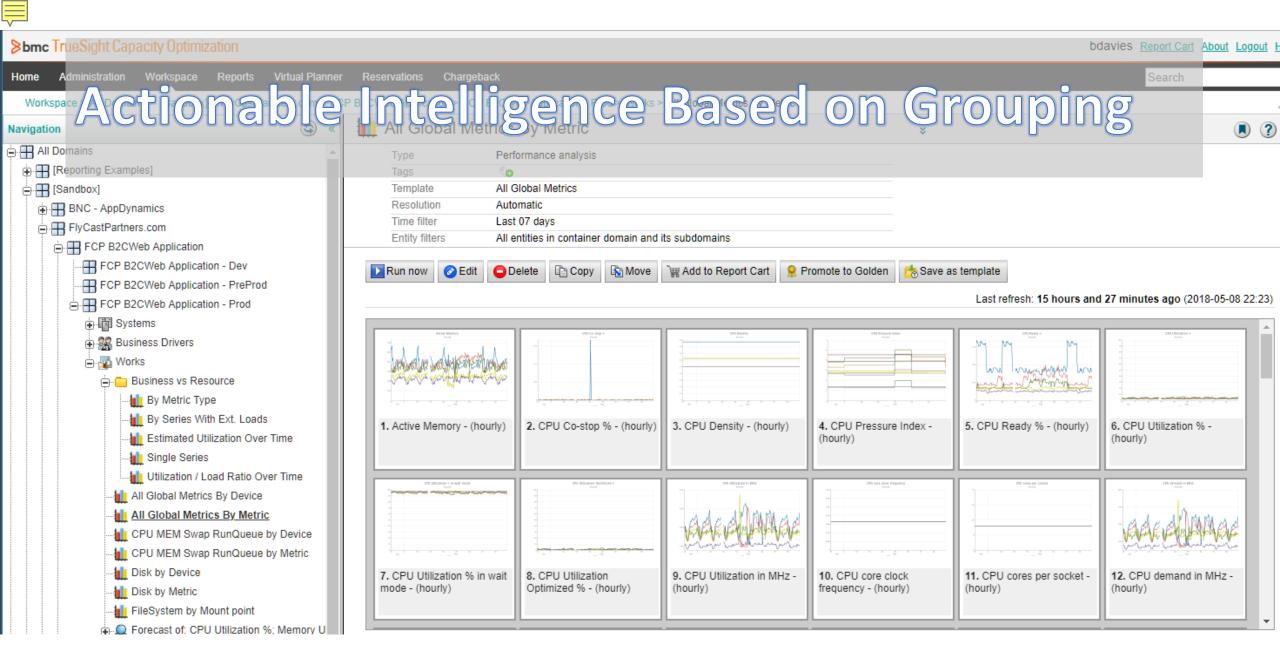


Alert reason

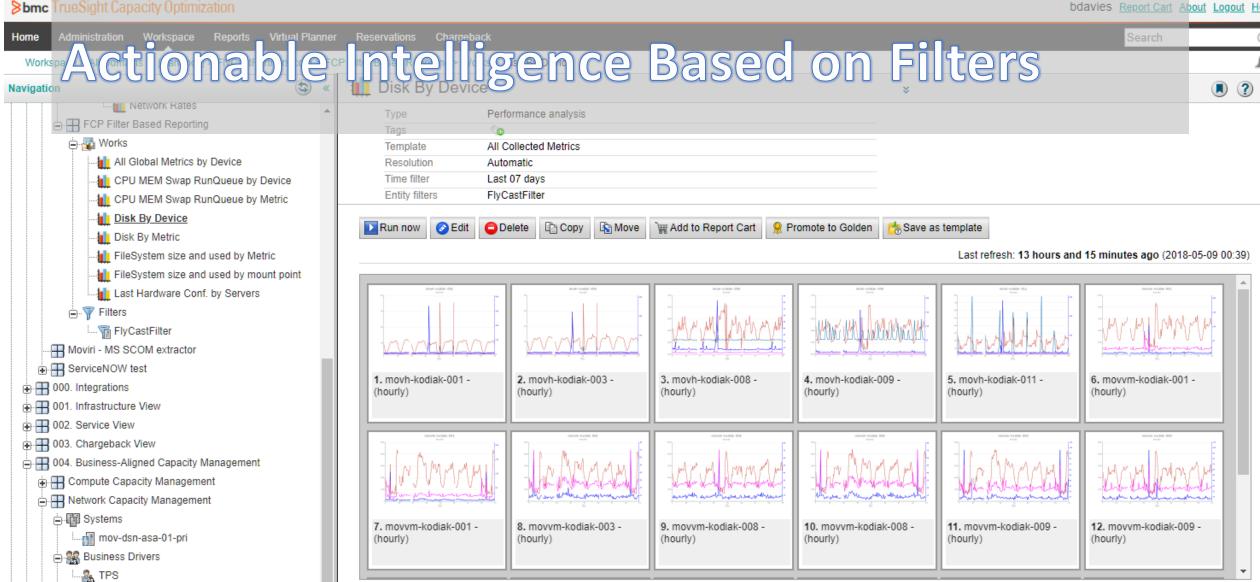
This mail has been automatically sent by TrueSight Capacity Optimization.

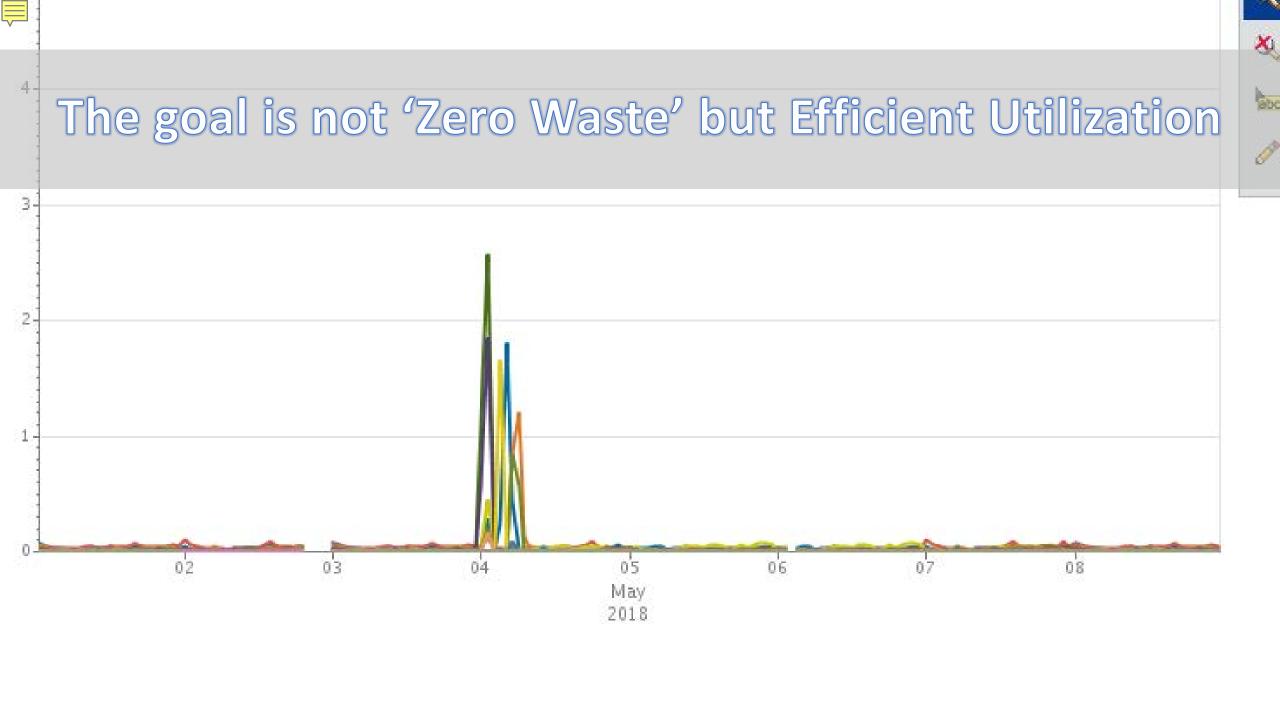
System	Metric	Subresource	Resolution	Period	Severity	Value	Threshold	Description	Sample values	
mov-nen-asa-01- pri	Utilization	ADAPTIVE SECURITY APPLIANCE 'INTERNAL- DATA1/0' INTERFACE	HOUR	Last 10 days including the current day	Warning	47.33%	45%	The maximum value of hourly sample at hour 09:00 is greater than 45%	Average Minimum Maximum Sum # samples Good Warn Poor	40.569 47.339 43.149
	Utilization	ADAPTIVE SECURITY APPLIANCE 'INTERNAL- DATA1/0' INTERFACE	HOUR	Last 10 days including the current day	Warning	56.3%	45%	The maximum value of hourly sample at hour 10:00 is greater than 45%	Average Minimum Maximum Sum # samples Good Warn Poor	56.3% 54.349
	Utilization	ADAPTIVE SECURITY APPLIANCE 'INTERNAL- DATA1/0' INTERFACE	HOUR	Last 10 days including the current	Warning	58.04%	45%	The maximum value of hourly sample at hour 11:00	Average Minimum Maximum	

So if these (preceding) studies take time, what can I do right away??









This is great! So where do I start??

DATA. Data is where you start.

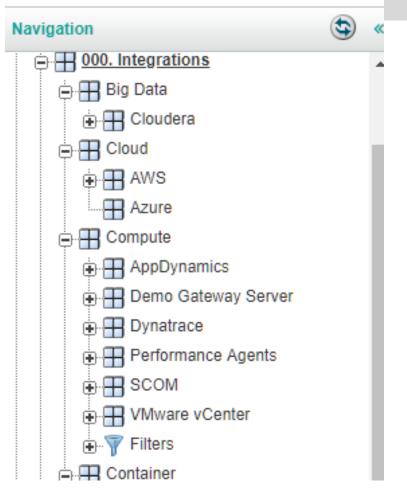


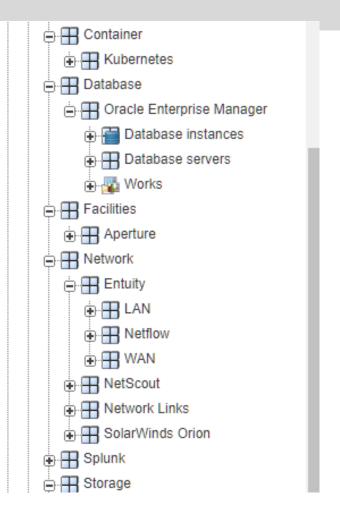
⊳bmc TrueSight Capacity Optimization

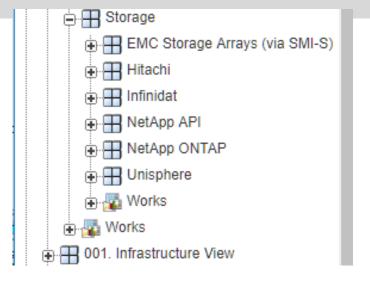
Home Administration Workspace Report

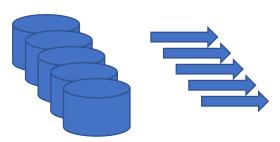
Workspace > All Domains > 000. Integrations

Gather Data from Sources





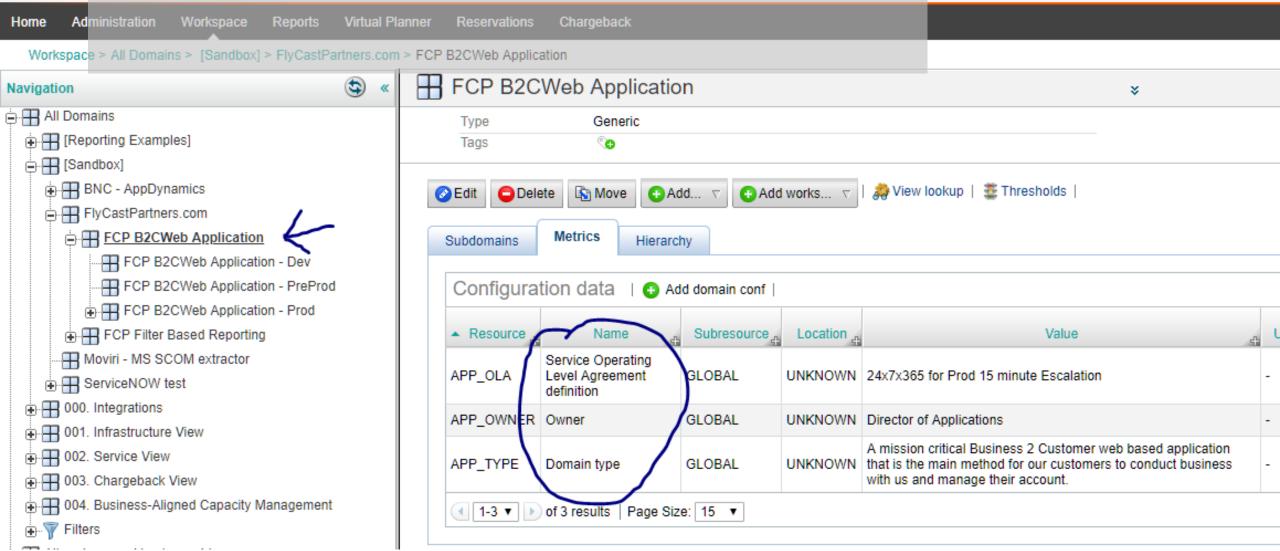




Single Holistic View

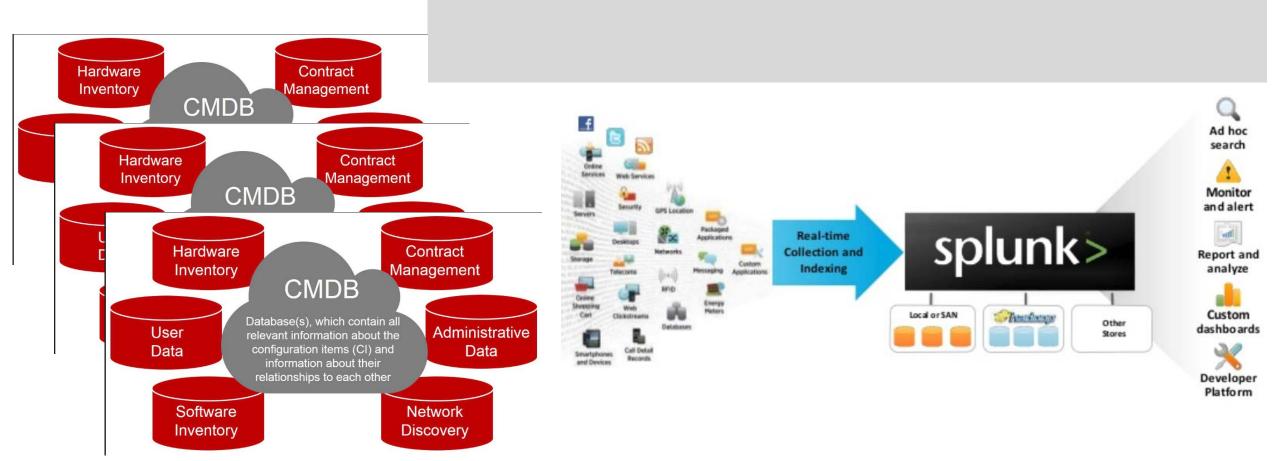


Sbmc True Incorporate Other Data





Indirect Data Sources



This context and association data is **disproportionately helpful** in maturing the capacity optimization effectiveness



Different and apart from the sum of its parts

- "the whole is something else than the sum of its parts"[2] is often incorrectly translated[3] as "The whole is greater than the sum of its parts", and thus used when explaining gestalt theory, and further incorrectly applied to systems theory.[4] Koffka did not like the translation. He firmly corrected students who replaced "other" with "greater". "This is not a principle of addition" he said.[5] The whole has an independent existence.
- ---https://en.wikipedia.org/wiki/Gestalt_psychology



Summary

"Transparently and consistently arrive at useful capacity optimization insights, in a reasonable amount of time with reasonable effort and in enough time to effect a positive capacity management outcome."

- Consolidate data to one place.
- Eat the data you have from the sources you have
- Do the fancy correlation analysis and what if modeling
- Import other data like from CMDBs
- Threshold violation reporting
- Group in ways that facilitate reporting (by application, service, location etc)
- Provide actionable intelligence with anomaly detection and ad-hock customer reporting
- Recognize goal is not 'zero waste' but rather Efficient Utilization



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Questions?

Why are my monitoring tools not enough?

I am not yet doing 'anything' with capacity management. How should I get started?

I am doing capacity management now. I do not wish to throw it out and start over.

Why have I never heard of

Co-Stop - VMWare

Minimum idle workers - Apache

CPU RunQueue

file descriptors (ulimit)

network port mismatch

database locking

Why should pay attention to these, and how did I miss them.

Download the presentation for the answers