

Nick Murray - Data Product Design at Salesforce

The following screenshots showcase my work at Salesforce from 2019-2021. For any questions, sketches, or other process-related materials, please don't hesitate to contact me directly:

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Horizon Analytics - My Team at Salesforce

Our team delivers internal data products to thousands of infrastructure planners, executives, and engineers to ensure that Salesforce, its acquisitions, and any customer-developed apps function seamlessly in the cloud.

Team showcase infographic by Nick Murray, February 2020

HorizonAnalytics Enabling data insights across our cloud infrastructure

Predictive intelligence at scale

"Horizon provides capacity planning the critical insights required to support our customers as we continue to scale."

– Dan Harrington, Capacity Planning

"Timely insights from Horizon's capacity forecasts help Salesforce avoid related incidents and preserve trust."

– Steve Bobrowski, CRM Systems Infrastructure

"We leverage Horizon to ingest, aggregate, and persist metrics that are relevant to org migration."

– Xiaodan Wang, Org Migration Scale

On the Horizon

- Enhanced Core predictive capabilities & planning tools
- Commerce & Marketing Cloud capacity management
- LRP, Cost, and Org-Level insights

Experience the advantage

of enhanced speed, data integration, reliability, and retention

Horizon UI

2x monthly active user increase, FY20

\$137M infra cost savings, FY20

6 patents pending to date

Dora

1,000+ forecasts at 89.5% accuracy

Exploration & forecasting for our top 1,000 orgs

Infra CTS

Visibility on infra costs & revenue

Alation Data Catalog

Ready-made, documented big data queries

{ Horizon : Api }

10+ integrated data sources at your fingertips

Last updated Feb 2020

Falcon Cost Explorer - Actively Managing Cloud Infrastructure Costs, Jan 2021

Purpose: Enable engineers in partnership with finance professionals to proactively grow the cost-efficiency of our cloud infrastructure fleet.

Falcon Cost Explorer (Beta)

Cost Explorer Cost Intel Falcon Data Hub BT Auth FAQ Chatter Monthly Dashboard User Guide

Search apps

Breakdown by: Functional Domain Date Selection (Optional): Last 30 Days Start Date: Jan 1, 2021 End Date: Jan 31, 2021 Apply Dates

Display: Most Costly View Util. as: EC2 Compute (%) EC2 Memory (%) EBS - PLOPs (%) EBS - Storage (%)

Note: Cost for the current month and latest 30 days includes an estimation of our corporate discount. The actual discount arrives in the beginning of the following month.

Cost in View: \$7.77M Total Cost in Time Frame: \$7.77M % of Total Cost in Time Frame: 100%

Most Costly Func. Domains, Jan 1 - Jan 31, 2021

Total Cost (USD) Avg. EC2 Utilization (%) % Change over date window

Daily Cost Growth, Most Costly Func. Domains, Jan 1 - Jan 31, 2021

AWS Service Cost (USD)

Daily EC2 Util. (%), Most Costly Func. Domains, Jan 1 - Jan 31, 2021

Utilization (%)

Cost & Utilization - All Func. Domains, Jan 1 - Jan 31, 2021

Download table (csv)

AWS Service	Total Cost (USD)	% Change	Avg. Util. (%)	% Change
EC2 Compute	67.1K	+16.5	67.1	-12.1
EBS - Storage	55.7K	+21.2	89.2	-28.8
Cloud HSM	50.1K	-43.3	43.3	+16.5
CloudWatch	49.8K	-12.1	61.2	+51.2
RDS Compute	11.2K	+11.9	91.6	-52.9
Virtual Private Cloud	9.9K	+64.4	81.2	2.2M
EKS - ClusterHours	8.1K	-23.6	42.1	+37.4
Route 53	7.4K	-14.1	24.6	+53.4
EC2 NAT Gateway Transfer	5.9K	+41.3	63.3	-42.6
Amazon GuardDuty	4.3K	-31.2	41.5	-14.5
AWS Key Management Service	2.1K	+15.6	18.5	-16.1
Lambda - Compute	1.8K	-14.1	73.1	+34.8

Cost Explorer
Cost Intel
Falcon Data Hub
BT Auth
FAQ
Chatter
Monthly Dashboard
User Guide

Breakdown by

Functional Domain ▾ Last 30 Days

Date Selection (Optional)

Start Date Jan 1, 2021

End Date Jan 31, 2021

Display Most Costly Top Cost Movers View Util % as EC2 Compute (%) EC2 Memory (%) EBS - PIOPs (%) EBS - Storage (%)

Filter by

Service Group ▾

Account ID ▾

Region ▾

Environment Type ▾

Falcon Instance ▾

Functional Domain ▾

EBS Volume Type ▾

EKS Namespace ▾

EKS Cluster Name ▾

EKS Pod Service Name ▾

Note: Cost for the current month and latest 30 days includes an estimation of our corporate discount. The actual discount arrives in the beginning of the following month.

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Most Costly Func. Domains, Jan 1 - Jan 31, 2021

● Total Cost (\$USD)

Legend: Bars, Scatter, Tree

Daily Cost Growth, Most Costly Func. Domains, Jan 1 - Jan 31, 2021

core3 core002 commercecomm core4 core1

Total by Func. Domain [Download data \(.csv\)](#)

Daily EC2 Util. (%), Most Costly Func. Domains, Jan 1 - Jan 31, 2021

core3 core002 commercecomm core4 core1

Total by Func. Domain [Download data \(.csv\)](#)

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CloudWatch	49.8K	-12.1	61.2	+51.2
RDS Compute	11.2K	+11.9	91.6	-52.9
Virtual Private Cloud	9.9K	+64.4	81.2	2.2M
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Functional Domain ▾ Last 30 Days

Display Most Costly Top Cost Movers View Util % as EC2 Compute (%) EC2 Memory (%) EBS - PIOPs (%) EBS - Storage (%)

Date Selection (Optional)

Start Date Jan 1, 2021 End Date Jan 31, 2021

Apply Dates

Filter by

Service Group ▾

Note: Cost for the current month and latest 30 days includes an estimation of our corporate discount. The actual discount arrives in the beginning of the following month.

Cost in View: \$7.77M Total Cost in Time Frame: \$7.77M % of Total Cost in Time Frame: 100%

Account ID ▾

Region ▾

Environment Type ▾

Falcon Instance ▾

Functional Domain ▾

AWS Service ▾

EC2 Instance Type ▾

for AWS Service = EBS PIOPs, EBS Storage:

EBS Volume Type ▾

Most Costly Func. Domains, Jan 1 - Jan 31, 2021

Total Cost (\$USD) Bars Scatter Tree

Domain	Cost (\$USD)
core4	\$86.45k
core1	\$66.76k
core3	\$41.32k
monitoring	\$32.14k
core002	\$26.75k
core3	\$41.32k
crypto	\$11.21k
...	...

Daily Cost Growth, Most Costly Func. Domains, Jan 1 - Jan 31, 2021

Total by Func. Domain [Download data \(.csv\)](#)

Daily EC2 Util. (%), Most Costly Func. Domains, Jan 1 - Jan 31, 2021

Total by Func. Domain [Download data \(.csv\)](#)

Cost & Utilization - All Func. Domains, Jan 1 - Jan 31, 2021 [Download table \(.csv\)](#)

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Cost Intel - Anomaly Detection within Falcon Cost Explorer, Feb 2021

Falcon Cost Explorer (Beta)

Cost Explorer Cost Intel Falcon Data Hub BT Auth FAQ Chatter Monthly Dashboard User Guide

Date Selection (Optional) Start Date End Date

Last 30 Days Feb 1, 2021 Feb 28, 2021 Apply Dates

Filter by Reset

Service Group

Account ID

Region

Environment Type

Falcon Instance

Functional Domain

AWS Service

Aggregate Cost Spikes by Summarize Cost Spikes by

AWS Service Total Cost Δ Min. Cost Δ

+/- \$3,000

Cost Spikes - Feb 1 - Feb 28, 2021

[Download table \(.csv\)](#)

FI	FD	Service Group	Env.	AWS Service	Cell Count	Event Date	\$Δ in Cost	Status
AWS-prod1-us..	core1	sdb	prod1	EC2 Compute	8	02.07.21	+16.1k	New
Total Cost				Total Cost Δ: +\$16,125	%Δ in Cost: +256%	Status: Triage	Edit	
				Notes: Last updated 2.9.21, 2:26PM PST Edit				
				Looks to be a result of onboarding our new FD, largely activity driven. SDB team is currently investigating for more detail.				
Cost Explorer AWS Console								

Total Cost

Feb 3 Feb 5 Feb 7 Feb 9 Feb 11

[Cost Explorer](#) [AWS Console](#)

Cost Alerting Wireframe v1

Purpose: Interface to communicate relevant cost anomalies, & their impact on FD-level budgets. 'User Driven' and 'Software Driven' metrics designed to support decisions on how to respond to any observed anomalies

Horizon Navbar

This is a tab in our existing Daily Cost Dashboard



Minimum \$ amount of alerts in view. Includes pre-canned values such as 25%, 50%, and 100% of daily total cost.

 Alert Severity Date range start to Date range end

Filters match daily cost dashboard. They apply to anomalies table

Filter by

- Service Group
- Account ID
- Region
- Environment Type
- Falcon Instance
- Functional Domain
- AWS Service

Based on rankings we generate. Assists users who may not yet know what \$ amounts or % changes in cost they're interested in yet.

Breakdown defaults to FD & Service, speaking to the budget tracking use case. Ideally this can ultimately include 'PID Leader' as an option. (Finance) Region, and role will also be commonly used breakdown dimensions (EF, KW).

Click any row in the anomalies table to filter all charts

Cost Anomalies

Click a table row to filter all charts.

Breakdown by Functional Domain Secondary Dimension Service Group

FD	Service Group	\$ Amt.	%Δ	Event Date	Details
Foundation	Hbase	+\$56.1k	+102	12.21.20	AWS Console
Foundation	Hbase	+\$56.1k	+102	12.21.20	AWS Console
Foundation	Hbase	+\$56.1k	+102	12.21.20	AWS Console
Foundation	Hbase	+\$56.1k	+102	12.21.20	AWS Console
Foundation	Hbase	+\$56.1k	+102	12.21.20	AWS Console
Foundation	Hbase	+\$56.1k	+102	12.21.20	AWS Console
Foundation	Hbase	+\$56.1k	+102	12.21.20	AWS Console

User-Driven Metrics: Foundation

Software-Driven Metrics: Foundation

Anomaly Details

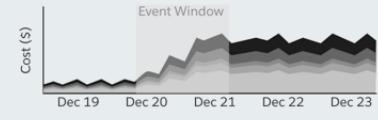
Was this useful?

View by Total cost Growth rate (%)

Foundation Cost, Daily Total: 12/19 - 12/23



Cost By Service, Daily Total, Foundation



K. Wakim's suggestion, a quick feedback mechanism to hone our alerting system

Breakdown defaults to FD, as this is the level at which budgets are set.

Secondary dimension defaults to Service Group, as Service Owners will be curious of their contribution to overall FD budget (Finance)

Expand to view contextual data. Purpose is to aid root cause analysis and inform next steps. (EF, KW) (e.g. Snoopy)

Falcon Migration Explorer - Scenario Forecasting for Effective Customer Migration, Nov 2020

Purpose: Enable executives and capacity planners to effectively tweak, run, and review forecasted customer migration scenarios, to support the smooth transition of our users to more efficient, reliable cloud environments.

Falcon Migration Explorer (Beta)

Display Start: Dec 1, 2020 | Display End: Aug 1, 2022 | Load Rollout Plan | User Guide

Wave Config

Cell Config

Cell Thresholds

- Oracle (DB CPU%)
- Migration Cutoff: 30%
- Perf. Threshold: 55%
- SDB (DB CPU %)
- Migration Cutoff: 30%
- Perf. Threshold: 55%
- App CPU %
- Migration Cutoff: 30%
- Perf. Threshold: 55%
- Storage Limits (TB)
- Oracle: 85
- SDB: 60

Capacity Modifiers

Sign Ups Config

Inputted Org List for Migration

Migration Summary: Destination Cells: 10 | Show Cell: Australia | Include Lightning Adoption: On

Wave	Cell	DB Type	#Orgs	Cuml # Orgs	Total DBCPU Time	Cuml DBCPU Time	% of DBCPU Op. Threshold	Total AppCPU Time	Cuml AppCPU Time	% of AppCPU Op. Threshold	Total DBStor (TB)	Cuml DBStor (TB)	% of AppCPU Op. Threshold
1	Australia	Oracle	70	70	659M	659M	50%	348M	348M	46%	0.34	0.34	34%
2	Australia	Oracle	110	180	151M	810M	80%	429M	777M	62%	0.27	0.61	51%
3	Australia	Oracle	240	520	456M	1.27B	95%	376M	1.15B	81%	0.81	1.42	64%
4	Australia	Oracle	210	730	354M	1.62B	96%	566M	1.72B	86%	0.42	1.82	73%
5	Australia	SDB	320	1,050	786M	2.41B	99%	433M	2.15B	89%	0.11	1.95	79%

Forecast: Additional Cells Required: 1, 2 | Select Metric: DB CPU Time | View as Falcon Cell: On

DB CPU Time Forecast: Australia

Org Level Forecasts: DB CPU Time

Wave	Cell	Account	OrgID	Org Edition	AOV Band	P95 Historical AppCPU Time	P95 Historical DBCPU Time	Current 1P P95 DBCPU Time (7 day max)	Latest Lightning Adoption %	P95 1Yr Falcon Forecasted DB CPU Time (w/ Lightning)	P95 1Yr Falcon Forecasted DB CPU Time (w/o Lightning)	Forecast % of DBCPU Op Threshold (in view)
1	Australia	VIVINT INC	00D3..	Professional	\$1-10k	348M	659M	632M	551M	622M	598M	51%
1	Australia	Doordash	00D3..	Professional	\$1-10k	429M	151M	342M	322M	458M	423M	84%
1	Australia	United Cont.	00D3..	Professional	\$600k-1M	376M	456M	871M	759M	781M	745M	124%
2	Australia	State Farm	00D3..	Professional	\$200k-600k	566M	354M	465M	428M	501M	488M	73%
2	Australia	Allstate	00D3..	Professional	\$200k-600k	433M	786M	223M	243M	348M	322M	79%
2	Australia	T-Mobile	00D3..	Professional	\$200k-600k	261M	367M	498M	472M	568M	524M	112%
2	Australia	Spotify	00D3..	Enterprise	\$600k-1M	581M	290M	341M	367M	402M	391M	34%
2	Australia	AWS	00D3..	Enterprise	\$100k-200k	782M	554M	433M	450M	552M	512M	56%

Falcon Migration Explorer (Beta)

Forecast Start

Aug 1, 2020

Forecast End

Apr 1, 2022

In view: Version A, Last Updated 08.12.2020 - 05:30:01 GMT

Save Scenario

Load Scenario

Wave Config

Falcon Cell Config

Not stated for MVP

Cell Template 1

AWS Region Mumbai

DB InstanceType R5.24XL

Not stated for MVP

Cells/FD 7

FDs/FI 12

App Hosts/Cell 12

#Oracle Cells (Prod) 1

#SDB Cells (Prod) 0

#SDB Cells (SBX) 2

Gear Ratio: SDB - Oracle 2.5

Save Load Apply

Cell Thresholds

AWS-southap1 AWS-useast1

Org List for Migration - 235 Total Orgs

Migration Summary

Click a cell in the chart to filter the charts below.

Destination Cells: 1

Orgs Breaching Capacity: 0

Additional Cells Required: 0

Oracle SDB

1

2

3

4

5

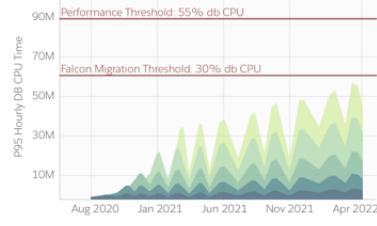
Prod SBX

Total Pk Hr DBCPU Time % of DB CPU Threshold % of DB Stor Threshold

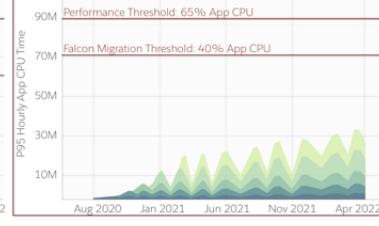
Wave	Cell ID	Status	AOV	#Orgs	Total Pk Hr	DBCPU Time	% of DB CPU Threshold	% of DB Stor Threshold
1	M1.Or	Complete	\$2.7M	10	0.25M	4.3%	50%	
2	M1.Or	Complete	\$7.8M	25	2.0M	12.7%	80%	
3	M1.Or	In progress	\$11.3M	43	3.8M	36.2%	95%	
4	M1.Or	Pending	\$21.5M	65	8.2M	61.5%	96%	
5	M1.Or	Pending	\$36.4M	92	9.3M	91.2%	93%	

Cell Utilization Forecast: Aug 1, 2020 - Apr 1, 2022

DB CPU Time: Cell M1.Or



App CPU Time: Cell M1.Or



LRP Builder - Long Term Infrastructure Build Planning, Jul 2020

Purpose: Enable executives and capacity planners to run infrastructure build scenarios, to support the development of our infrastructure long range plan (LRP).

Save LRP
Open LRP
Methods
Details (.twbx)

Supply & Demand
Infra Cost
NA
EMEA
APAC
GS
UM
All

Download Underlying Data (.csv)
Download Charts (.png)

LRP Setup
Run

Model
Component

Demand
Run

Operating Buffer
Currently 10%

Lightning Adoption
90.3% by Jan 1, 2025

Date	Change	Cuml. Total
Jan 1, 2020	+6.0%	18.3%
Jul 1, 2020	+6.0%	24.3%
Jan 1, 2021	+6.0%	30.3%
Jul 1, 2021	+6.0%	36.3%
Jan 1, 2022	+6.0%	42.3%
Jul 1, 2022	+6.0%	48.3%

Save
Load
Confirm

Lightning Coefficient
4.5% as of July 1, 2021, currently 6.4%

Regression Impact
10.0% as of Jan 1, 2020

Supply
Run

Operating Buffer
Currently 10%

Substrate Distribution
90.3% PC adoption by Jan 1, 2025

Hardware Efficiency Gain
4.9% as of Jan 1 2020

App CPU Util.
DB CPU Util.
FFX
DB Storage

Supply/Demand Outlook

Business
Core
CC
MC
Substrate
1st Party
Falcon
Type
Prod
SBX/test

Unit
App CPU Time
Cores
Show
Total
by Region

Supply (Baseline)*
Demand (Baseline)

*Based on operating threshold of 40% App CPU Util.

Pod Build Outlook

New Pod Builds
IRs (Decoms)

Year	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
2020	15	12	7	-5	11	14	8	15	12	12	8	19	20	19	20	18	17
2021	-8	-5	-3	-5	-4	-4	-6	-9	-6	-4	-4	-5	-10	-11	-12	-12	-8
2022	45	44	51	77	64	21	23	19	45	33	9	17	20	18	17	15	14
2023	23	19	19	45	33	-11	-12	-12	-10	-11	-12	-12	-10	-11	-12	-12	-8
2024	17	18	9	11	8	-9	-5	-8	-11	-11	-12	-12	-10	-11	-12	-12	-8

LRP Builder (Beta)

[Save LRP](#)
[Open LRP](#)
[Methods](#)
[Details \(.twbx\)](#)

"Plan of Record" - Last updated 2.28.20, 4:10PM PST

[Download Underlying Data \(.csv\)](#)
[Download Charts \(.png\)](#)
[Supply & Demand](#)
[Infra Cost](#)
[NA](#)
[EMEA](#)
[APAC](#)
[GS](#)
[UM](#)
[All](#)

LRP Setup

[Run](#)
[Model](#)
[Component](#)

Demand

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[Lightning Coefficient](#)
[4.5% as of July 1, 2021, currently 6.4%](#)
[Regression Impact](#)
[4.1% as of Feb 1, 2022, currently 10.0%](#)

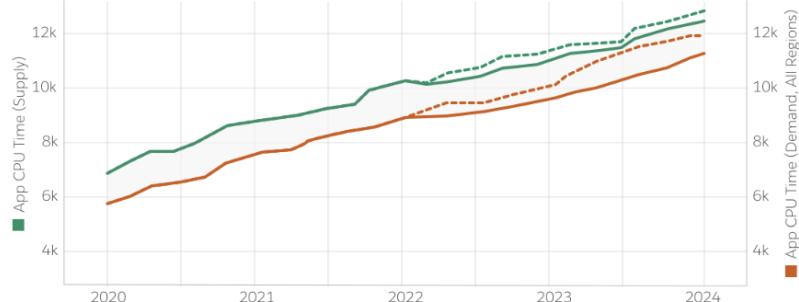
Supply

[Run](#)
[Operating Buffer](#)
[Currently 10%](#)
[Substrate Distribution](#)
[90.3% PC adoption by Jan 1, 2025](#)
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[+ -](#)
[Save](#)
[Load](#)
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[App CPU Util.](#)
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[FFX](#)
[DB Storage](#)

Supply/Demand Outlook

[Business](#) Core CC MC [Substrate](#) 1st Party Falcon [Type](#) Prod SBX/test

[Unit](#) App CPU Time Cores [Show](#) Total by Region

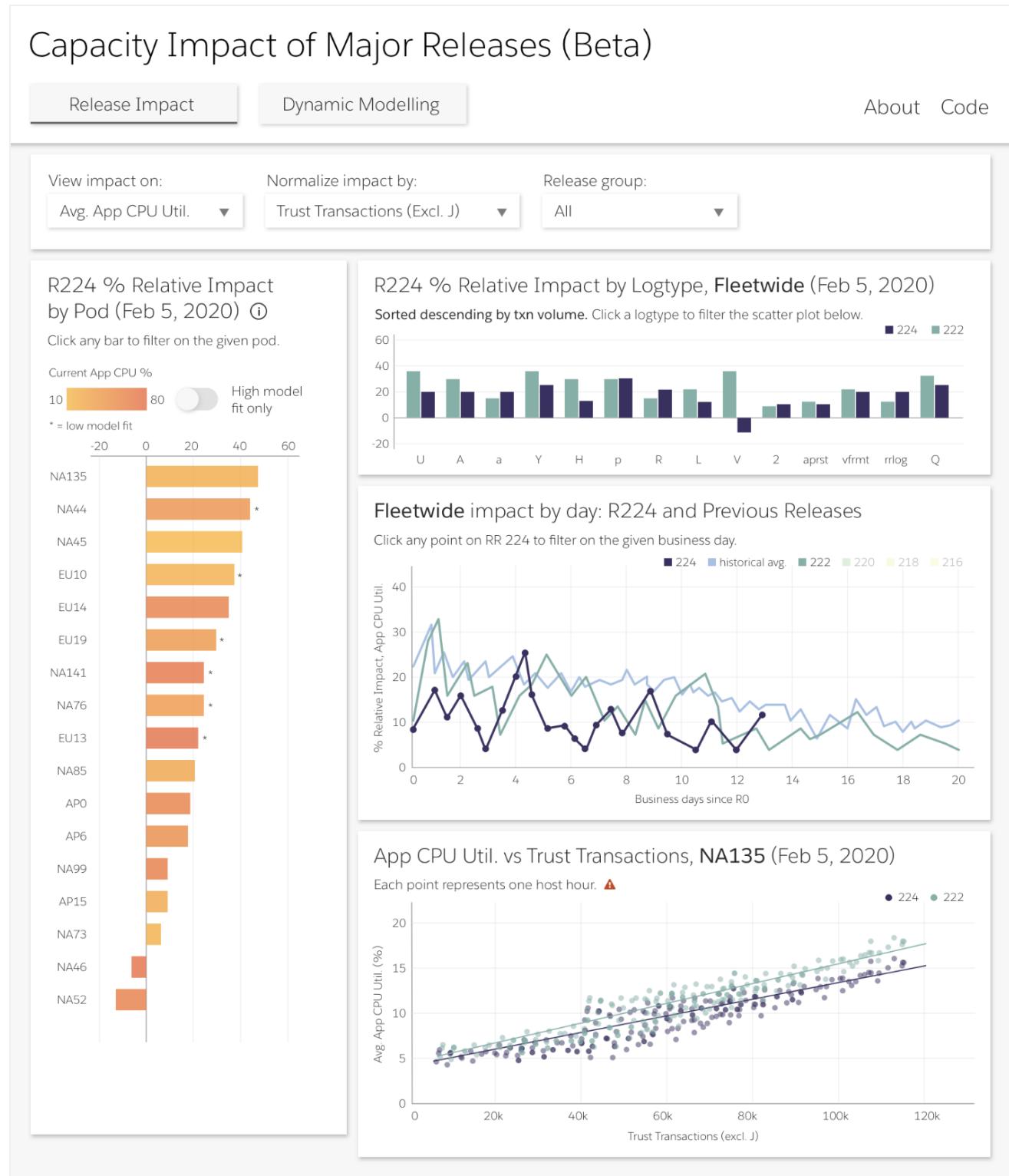
[Supply \(Baseline\)*](#)  [Supply \(Scenario\)*](#)  [Demand \(Baseline\)](#)  [Demand \(Scenario\)](#) 
*Based on operating threshold of 40% App CPU Util.


Pod Build Outlook

[New Pod Builds](#)  [IRs \(Decoms\)](#)  [Baseline](#) 


Automated Release Regression Analysis, Feb-March, 2020

Purpose: Enable performance engineers at Salesforce to monitor the impact of new software releases on our infrastructure fleet, informing real-time performance tuning efforts.



Dynamic Modelling across Date Windows

[Release Impact](#)[Dynamic Modelling](#)[About](#) [Code](#)

View impact on:

Avg. App CPU Util.

Normalize impact by:

Trust Transactions (Excl. J)

Date Window A*:

2/10/19 - 2/24/19

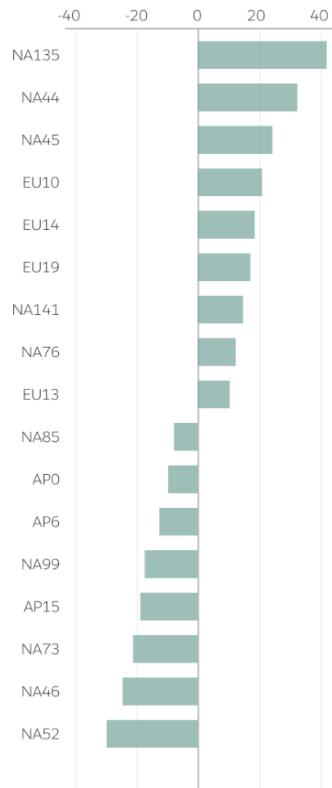
Date Window B*:

11/2/19 - 11/16/19

*Business hours only

% Diff in Avg. App CPU Util. per Txn, all Logtypes

Click any bar to filter on the given pod.

 High model fit only

% Diff in App CPU Time per Txn, by Logtype, R0

App CPU Time sourced from app logs. Click any logtype to filter the charts below.



App CPU Util. vs Trust Txns, R0

Drag shaded areas to adjust date windows.



App CPU Util. vs Trust Txns, R0

Each point represents one host hour.



Sherlock - Anomaly Detection and Triage, Dec-Jan, 2020

Purpose: Enable capacity planners to detect, triage, and take action on any customer and/or software driven anomalies occurring across our fleet of infrastructure.



Sherlock

The anomaly detective.

App CPU Time Anomalies

Severity	Pod	Type	Relationship	Start	End
High	NA7	Level shift	Transactions	10-28-19	10-30-19
High	EU15	Slope Δ	Org count	10-21-19	10-24-19
Med	EU10	Level shift	Release	11-09-19	11-10-19
Med	APO	Spike	Release	09-30-19	10-02-19
Med	NA44	Slope Δ	Transactions	10-14-19	10-17-19

NA7 - Load Driving Metrics

Fastest growing orgs on NA7 (of top 20), by transactions

CANON MARKETING SERVICES	97.0%
Sirius Computing	74.0%
Younique	91.0%
Drift	73.0%
Chase Metals	46.0%

Transactions (sum) by Logotype*

*Limited to most CPU heavy logotypes

NA7 - Anomaly Details

App CPU time on NA7 experienced a **level shift upwards** between Oct 28th and Oct 30th. Transactions on the Pod also saw a level shift in this time period.

NA7 - Observed Level Shift & APT Impact

App CPU Time vs Transactions

APT (ms)

NA7 - Software Driving Metrics

Transacting Hosts

Transacting hosts: 30

DELL - POWEREDGE... 17.1 SSKUC: 27
DELL - POWEREDGE... 17.2 SSKUC: 3

App CPU time by Logotype* (Avg)

*Limited to most CPU heavy logotypes

App CPU time by Host (Avg)

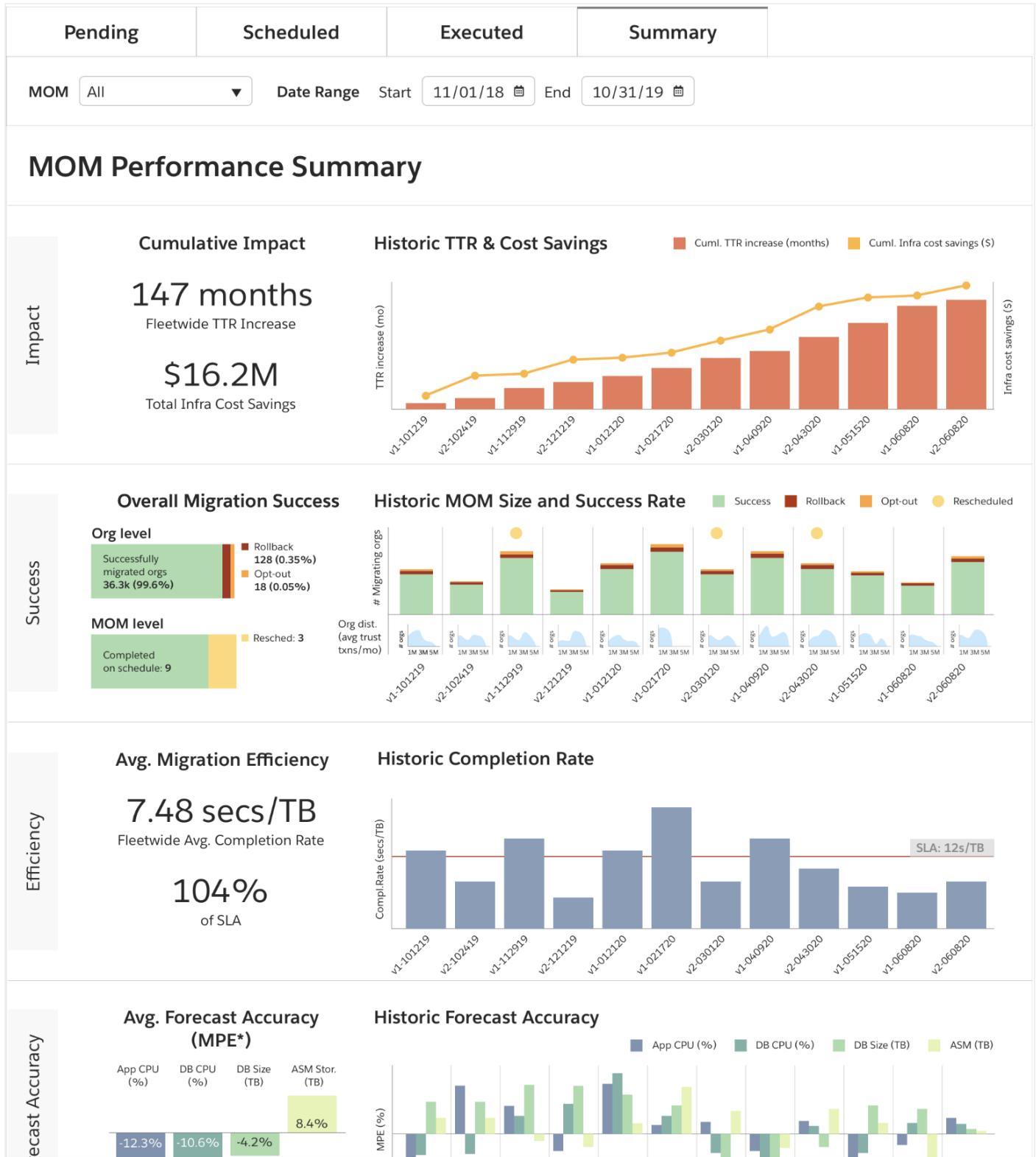
*Limited to most CPU heavy hosts

Major Releases (count)

Voyager - Managing Customer Cloud Migration, Nov 2020 - Present

Purpose: Enable customer-centric engineers to effectively manage the migration of Salesforce customers to new cloud infrastructure of ever increasing performance, security, and reliability.

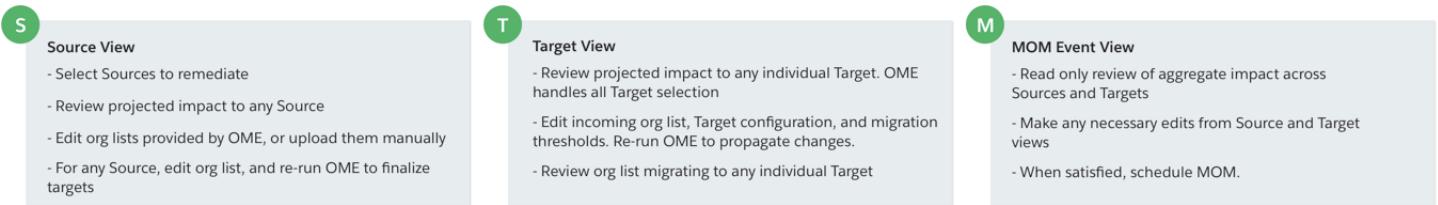
Pending	Scheduled	Executed	Summary																																					
MOM All ▾	Date Range Start 08/01/19 End 11/01/19																																							
v1-101219 - 42 opt outs																																								
DB Size to Transfer: 1,427 TB	Sources: EU30, EU14, EU10	Migrating Orgs: 15,432	Org dist by txns																																					
Est. Completion Time: 2.5 hrs	Targets: EU15, EU21, EU17, EU11	AOV : \$4.6M	Org dist by DBsize																																					
Scheduled for: TBD	Success Rate: TBD	Min. TTR : <1 mo	Last Updated: 10/10/2019 - 1:00PM GMT																																					
Show Org List																																								
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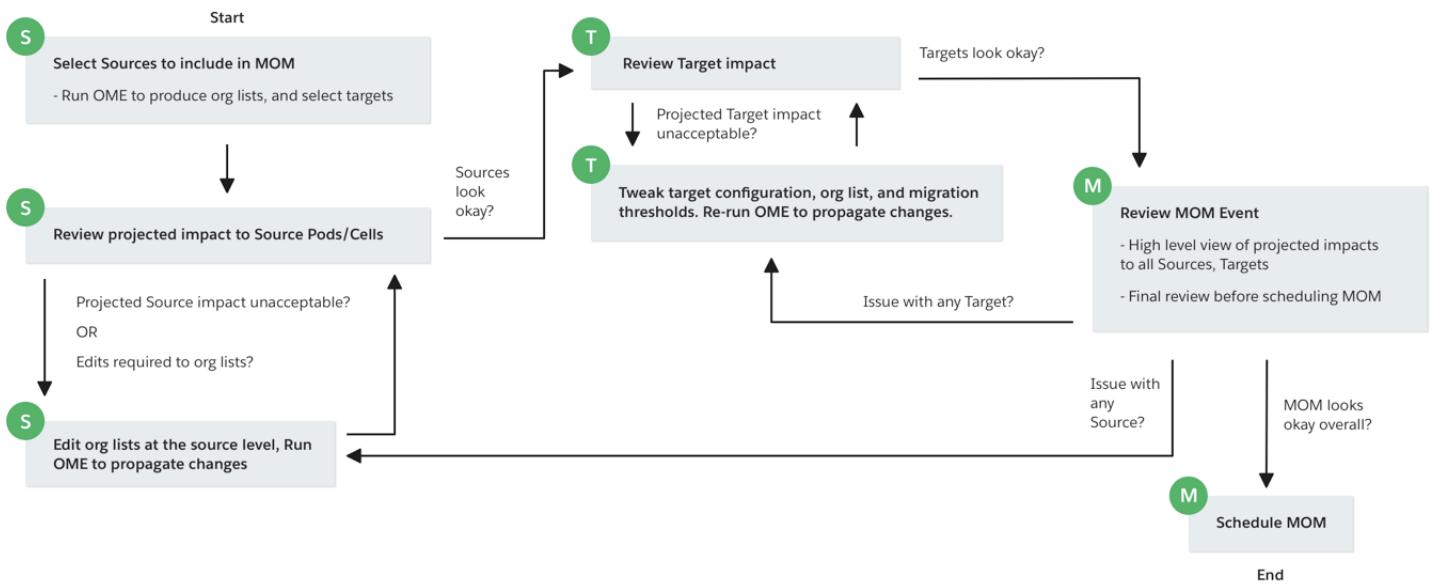
'MOM App' for planning and scheduling MOMs

Click any  to view the associated wireframe.

Three Views



User Journey





S Source View

Purpose: Define MOM Sources, run OME to select Targets. Edit org lists based on OME output. User can: Edit org list migrating from each source, edit forecast date range, add a source, and re-run OME. Thresholds only editable from the 'Target' view

Horizon Navbar

MOM Event
 Target
 Source

Date Range
Substrate
MOM ID

+ Add Source
Run OME for all Sources

EU15

Total Migrating Orgs: 11,231
Total AOV: \$2.45M
TTR: 1 mo
Next MOM Date: 12/24/20

Binding TTR Metric: App CPU %

% Util

12/24/20 1/19/21 3/2/21

Threshold

Last Updated: 11/10/2020 - 1:00PM GMT

Org List

New Org List (.csv)

Re-run OME

Remove Source

Download Org List (.csv)

Expand to view full org list

Determines forecast date range in time series to the right

Generated automatically based on org list (org list includes migration dates)

Forecast end date

End date

Pending MOMs

# Orgs	MOM Date	Target
2,342	12/24/20	southap1
1,465	01/19/20	southap1
4,561	03/02/21	southap1

Starting with binding TTR metric, more detailed charts, additional details TBD. X axes update based on user inputs to forecast date range

App CPU %: <Forecast Date Start> - <Forecast Date End>

% Util

12/24/20 1/19/21 3/2/21

Threshold

DB CPU %: <Forecast Date Start> - <Forecast Date End>

% Util

12/24/20 1/19/21 3/2/21

Threshold

DB Size: <Forecast Date Start> - <Forecast Date End>

% Util

12/24/20 1/19/21 3/2/21

Threshold

Made in InVision

Comment Share Print



T Target View

Purpose: Review targets according to binding TTR metrics, edit target configuration, migration thresholds, and incoming org list. User can: Edit migration thresholds, edit cell/pod configuration, edit incoming org list, edit forecast date range, and re-run OME.

Horizon Navbar

View by MOM Event Target Source
Date Range
Substrate
MOM ID

Set config parameters for all Targets

southap-1

Total Migrating Orgs: 9,432
Total AOV: \$1.86M
TTR: 6 mo
Next MOM Date: 12/24/20

Org list edits can take place here, as well as in the Source view

Resembles FME's 'Cell Config' and 'Threshold config' menus. Any targets with unique configurations relative to the rest of the target list will be flagged (in the target list).

Generated automatically based on migration dates included in org list.

Static chart, unaffected by user input to forecast date range. Becomes multiple charts (scrollable) in cases with more than one binding metric

Last Updated: 11/10/2020 - 1:00PM GMT

Expand to view/edit full org list

Org List

Forecast end date

End date

Target Config

Threshold Config

Pending MOMs

# Orgs	MOM Date	Source
2,342	12/24/20	EU30
1,465	01/19/20	EU15
4,561	03/02/21	EU11

Starting with binding TTR metric, more detailed charts, additional details TBD. X axes update based on user inputs to forecast date range

DB CPU %

App CPU %

DB Size (TB)



MOM Event View

Purpose: High Level 'Cattle View' for review before scheduling MOM. Read Only. User can only edit forecast date range, and schedule MOM. All other edits happen on source or target views

Horizon Navbar

View by MOM Event Target Source

Date Range
Substrate
MOM ID

v1-101219 - 1P to Falcon

Migrating Orgs: 14,322
Total AOV: \$3.58M
Min (source) TTR: 1 mo

Affects the post MOM TTR Summary, and the forecasts provided at the source/target level below it. View is almost entirely read only. No ability to edit org lists (this happens from the Source view). No ability to edit thresholds/cell config (this happens from the Target view)

Pre-MOM #Pods + Cells

Post-MOM (Forecast) #Pods + Cells

Last Updated: 11/10/2020 - 1:00PM GMT

Org List

Forecast end date End date

Post MOM TTR Summary (Forecast)

Source-Level TTR Click to a Pod/Cell to filter the source list below.

Pods	Cells
	
	

Target-Level TTR Click to a Pod/Cell to filter the Target list below.

Cells

Sources

Search 🔍 Sort by ▼

EU10		Post MOM estimate		Error margin
21 opt outs	Current	Post MOM estimate	By forecast end date	Error margin
AppCPU (%)	20	5	25	+/- 15%
DB CPU (%)	40	20	20	+/- 15%
DB Size (TB)	87	84	65	+/- 15%
ASM Stor. (TB)	105	63	82	+/- 15%
TTR (mo)	4	9	11	+/- 15%

Targets

Search 🔍 Sort by ▼

southap1		By forecast end date		Error margin
AWS x2 - SDB	Current	Post MOM estimate	By forecast end date	Error margin
AppCPU (%)	10	5	25	+/- 15%
DB CPU (%)	15	20	20	+/- 15%
DB Size (TB)	10	65	65	+/- 15%
ASM Stor. (TB)	10	82	82	+/- 15%
TTR (mo)	16	11	11	+/- 15%

Click to link to source in app's Source view



Expand to view full org list. Read only. Edit via Source view

A herd of cattle. Click any pod/cell to filter the Target list below

Same for the source list, click any Pod/Cell to filter the list below

Click to link to target in app's Target view