



CustomerABC

June 2020

PEAKPLUS
CONTROL

MONTHLY
CLOUD REVIEW

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EXECUTIVE SUMMARY

Spend/Savings:

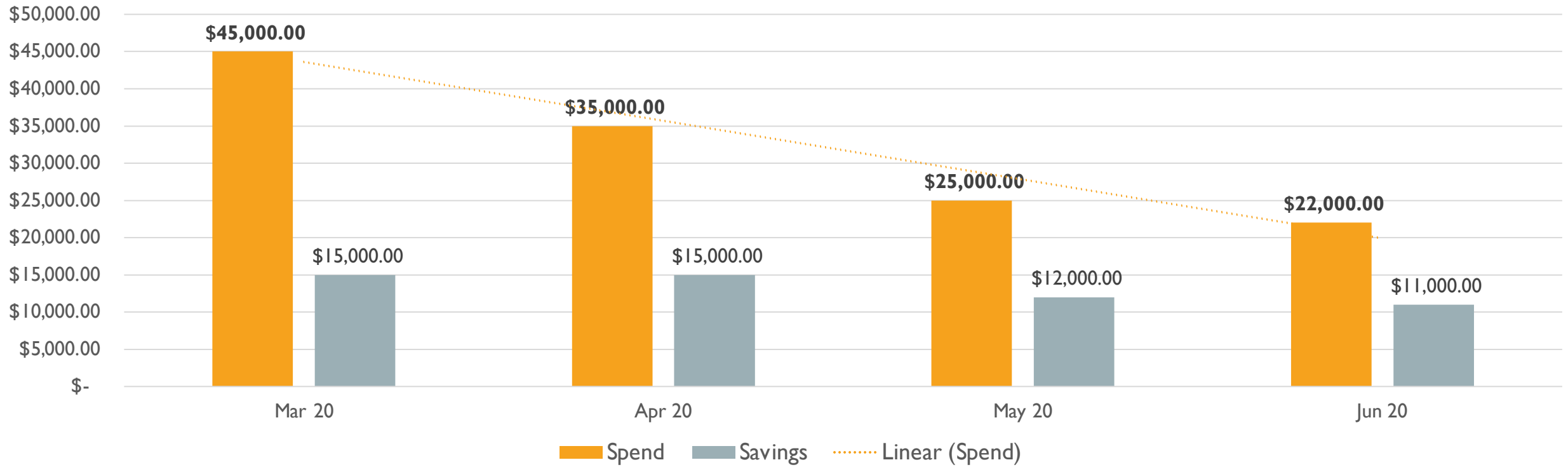
Application of cost savings plan in March has reduced the monthly spend in the primary service, EC2 and reduced the cost by 13%. Savings opportunities remain with idle resources and right sizing. Detail provided.

Security Configuration Checks:

PTP is evaluating security best practices against the NIST 800-53 security framework, and the controls that apply to the cloud environment. There are additional recommendations from PTP beyond the mapped NIST best practices that are provided in detail in the security section.

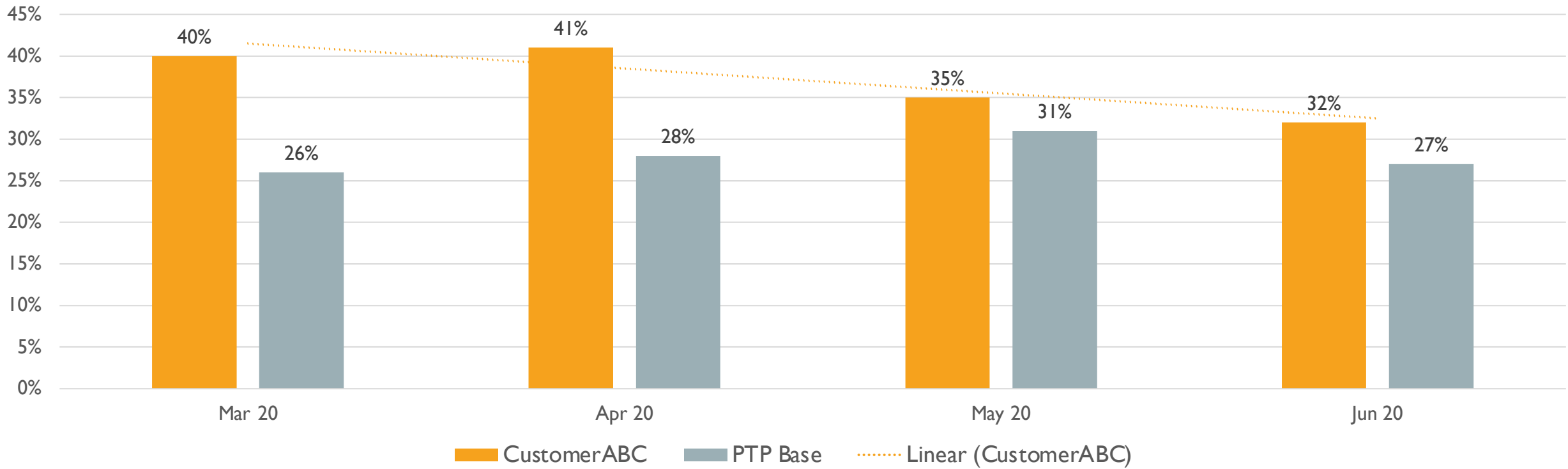
SPEND AND SAVING ANALYSIS

CustomerABC MTM Spend & Savings Trend



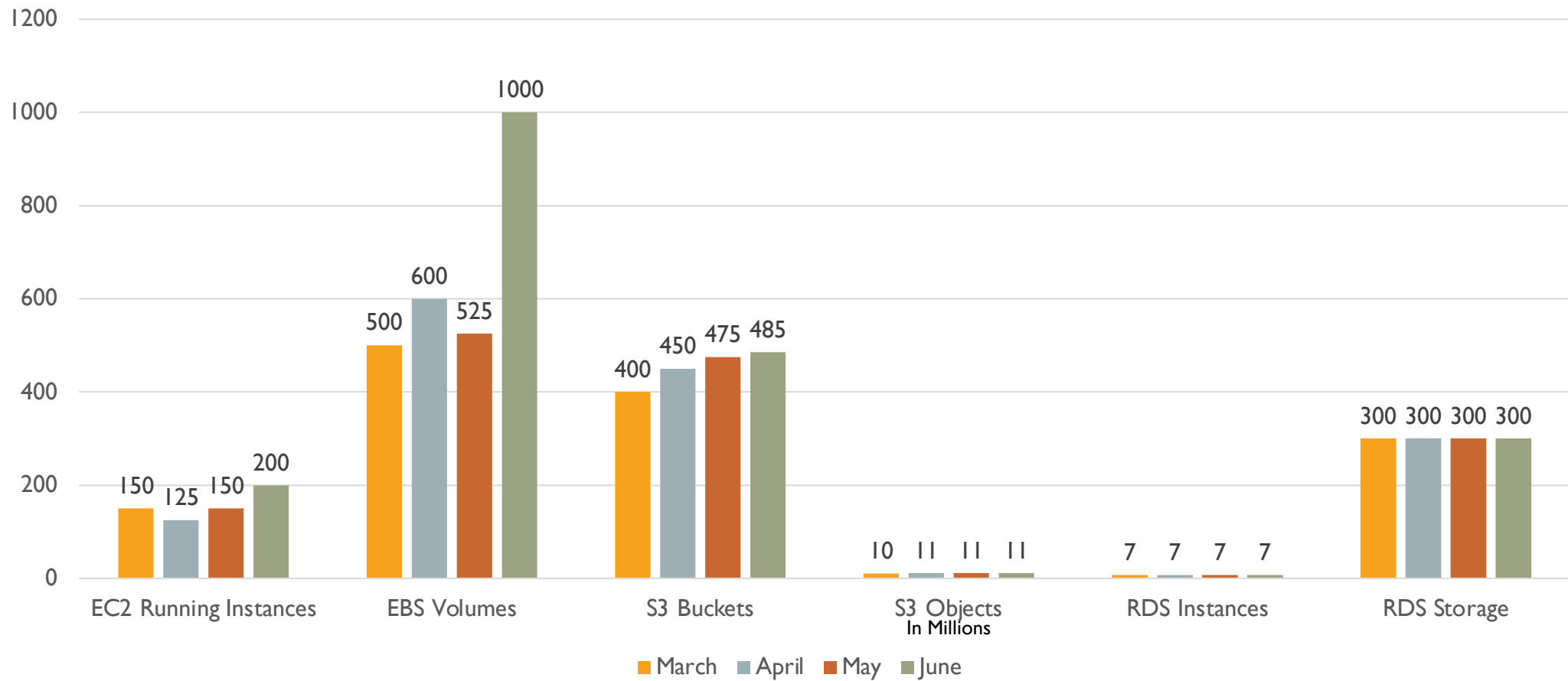
SPEND AND SAVINGS TREND

CustomerABC vs PTP Customer Base – Savings Opportunity

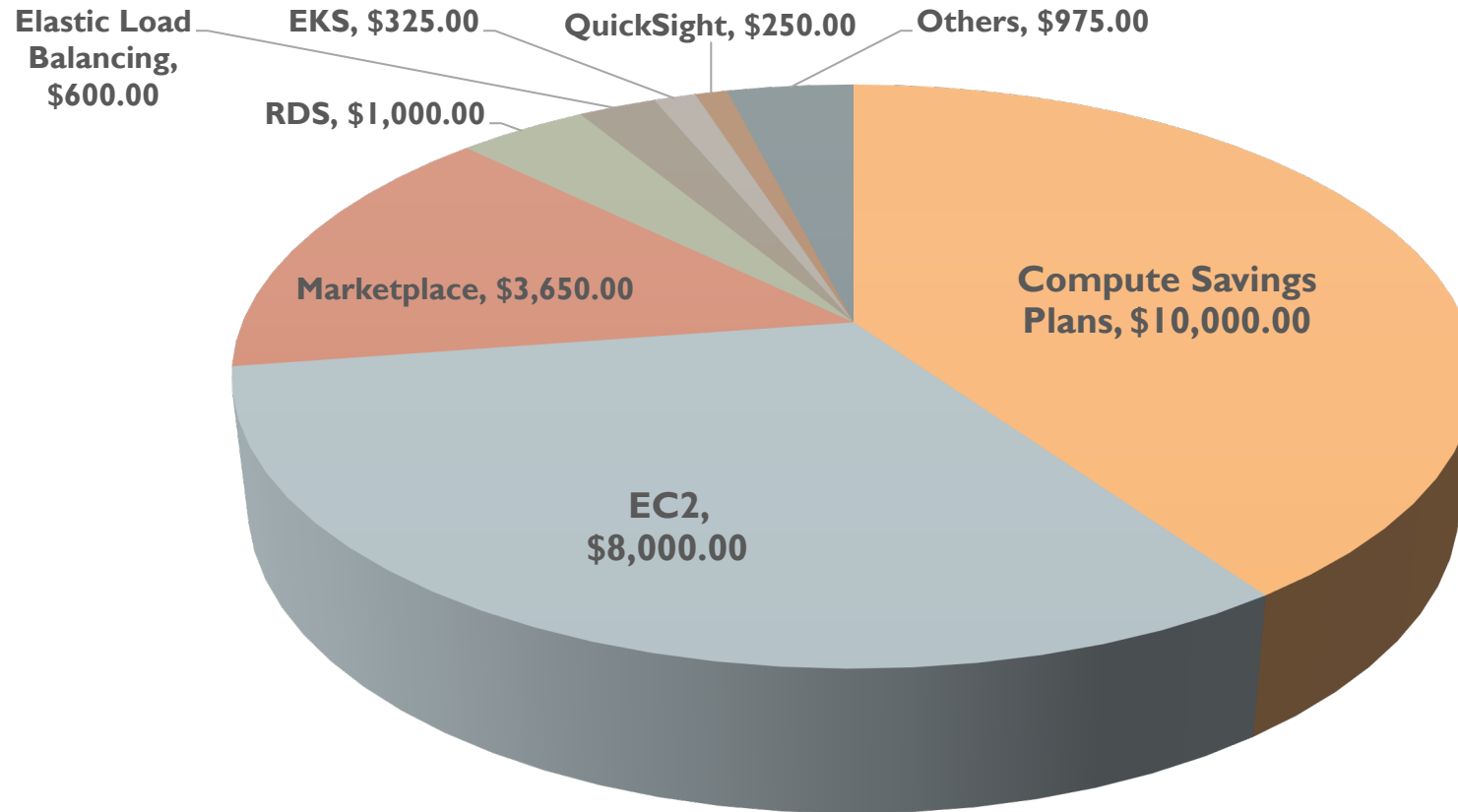


**SAVINGS OPPORTUNITY
COMPARISON TO PTP CUSTOMER AVERAGES**

Critical Resource Usage - Trend



Monthly Spend by Service



**RIGHT SIZING
SAVINGS
OPPORTUNITY**

	April	May	June
Instances	59	65	65
Poss. Hourly Savings	\$4.50	\$5.60	\$5.50
Poss. Monthly Savings	\$3,315.00	\$4,129.50	\$4,050.00
Largest Impact	Instance Name	Instance Name	Instance Name

IDLE EC2 INSTANCES

	April	May	June
Instances	47	58	50
Poss. Monthly Savings	\$4,500	\$4,750	\$3,395
Instances > \$100/mo savings	9	10	7
Largest Impact	Instance Name	Instance Name	Instance Name

UNATTACHED EBS VOLUMES

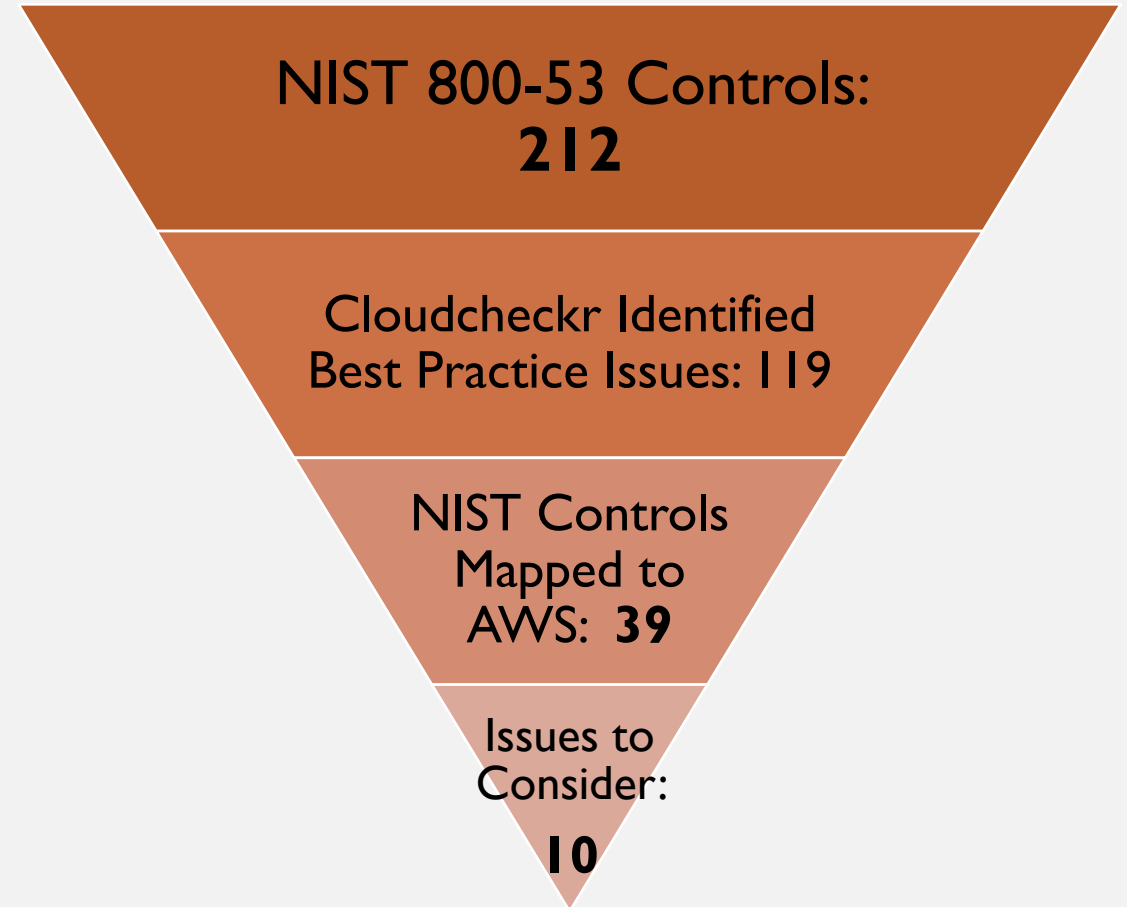
	April	May	June
Volumes	234	250	246
Poss. Monthly Savings	\$2,165	\$1,130	\$1,875
Instances > \$35/mo savings	14	4	13

RESERVED INSTANCES

	April	May	June
Instances	41	45	32
Poss. Monthly Savings	\$3,650	\$4,615	\$4,175
Instances > \$100/mo savings	5	12	11
Largest Impact	Instance Name	Instance Name	Instance Name

SECURITY BEST PRACTICE ANALYSIS

SECURITY BEST PRACTICES
& NIST CONTROLS



Security Best Practices Mapped to NIST 800-53

Security Best Practice	Severity	April	May	June
IAM User Policies with Full Admin Privileges	High	182	50	82
IAM Role Policies with Full Admin Privileges	High	71	67	68
IAM Users with Console Access with Initial Access Keys	High	64	64	64
EC2 Instances with Embedded Credentials	High	12	12	12
EC2 Instances without attached IAM Profile Role	High	149	178	271
Rotation not Enabled for Customer Created CMKs for KMS Encryption	High	61	18	18
IAM Policies Granted to IAM Users	Med	224	92	124
CloudTrail logs are not encrypted at rest	Med	210	212	212
CloudTrail Log File Validation not Enabled	Med	146	148	148
Security Questions not Registered	Med	12	12	12

ADDITIONAL SECURITY RECOMMENDATIONS FROM PTP

- Account Issues – 5
- Network Issues – 3
- Cloud Service Issues - 3

Security Best Practices – PTP Recommendations

Account Issues

Best Practice	PTP Score	April	May	June
IAM Password Policy Disabled	10	10	10	10
IAM Admin Users Not Utilizing Multi-Factor Authentication	10	16	16	16
Root AWS Accounts Not Utilizing Multi-Factor Authentication	10	12	12	12
Root Account has Access Keys	9	1	1	1
Passwords not Reset for > 90 Days	8	24	25	25

Security Best Practices – PTP Recommendations

Network Issues

Best Practice	PTP Score	April	May	June
Network ACLs Allowing All Inbound Traffic	8	365	361	377
Multiple EC2-VPC Security Groups Rules Allowing Broad/Dangerous IP and Port Traffic	8			
Blocklisted IP Address Making API Calls	8	4	2	9

Security Best Practices – PTP Recommendations

Cloud Service Issues

Best Practice	PTP Score	April	May	June
RDS DB Instance Publicly Accessible	10	2	2	2
Redshift Cluster Instance Publicly Accessible	10	1	1	1
S3 Buckets Do Not Have Default Encryption Enabled	8	407	408	416



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