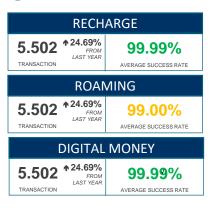
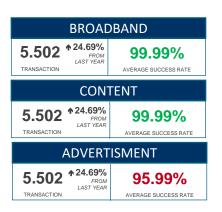
Executive Summary of Annual 2019

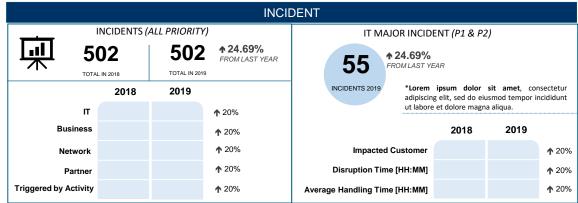
Service Performance







Operational Excellence





CHANNEL		
99.99%	AVERAGE SUCCESS RATE OF XX APPLICATIONS	

ORDERING & PROVISIONING		
99 00%	AVERAGE	

CHARGING & BILLING		
95.00%	AVERAGE SUCCESS RATE OF XX APPLICATIONS	

DIGITAL SYSTEM & OTHERS		
99.00%	AVERAGE SUCCESS RATE OF XX APPLICATIONS	

LOAD BALANCER

99.00

AVG THROUGHPUT

99.00%

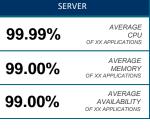
99.00%

AVG MEMORY

IT ESCALATED TICKET **1** 24.69% **1** 24.69% 5.000 FROM LAST YEAR FROM LAST **Customer Facing Tickets** RESOLUTION RATE RESOLUTION TIME SLA ACHIEVEMENT **↑**7.90% 502 EDOMIACT

99.99%	2:35 AVERAGE DURATION [HH:MM]	99.	99%	Enterprise Tickets	YEAR
TOP 3 CUSTON	MER FACING TICKETS		TOP 3	B ENTERPRISE TICKETS	
34K mksnksnksbksbksk	ksb	34K	mksnksnksb	ksbksksb	
34K mksnksnksbksbksk	ksb	34K	mksnksnksb	ksbksksb	
34K mksnksnksbksbksk	ksb	34K	mksnksnksb	ksbksksb	

Infrastructure	Performance



STOF	STORAGE		
99.00% AVERAGE OCCUPANCY OF XX APPLICATIONS			
DATABASE			
95.00%	AVERAGE OCCUPANCY OF XX APPLICATIONS		
99.00%	AVERAGE AVAILABILITY OF XX APPLICATIONS		

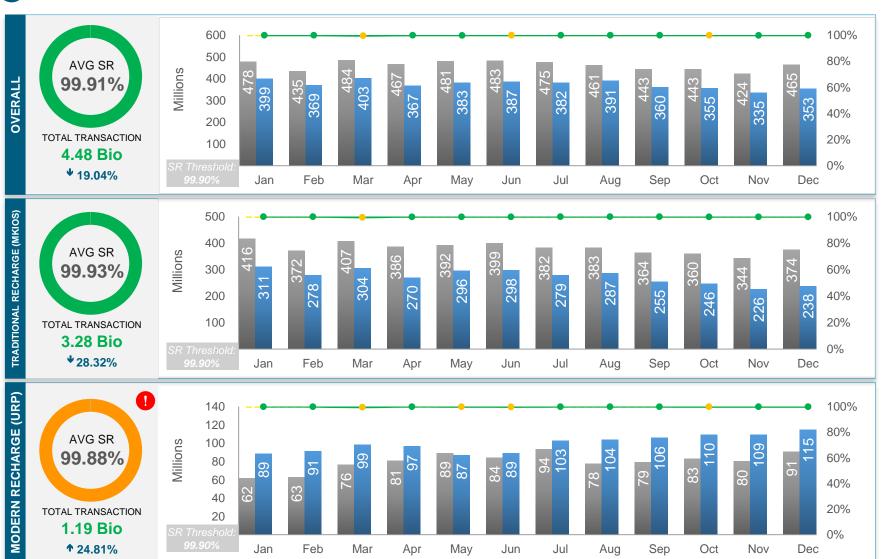
FIREWALL		
99.00% 99.00%		
AVG CPU	AVG MEMORY	
99	99.00	
AVG CONNECTION	AVG THROUGHPUT	

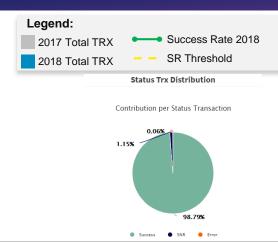
ROUTER &	PROXY		
99.00%	99.00%	99.00%	
AVG CPU	AVG MEMORY	AVG CPU	
99.0	99.00		
AVG THROU	UGHPUT	AVG THRO	

ROUTER & SWITCH				
99.00% 99.00%				
AVG CPU AVG MEMORY				
99.00				
AVG THROUGHPUT				

RELEASE TICKET				
ó		24.69% ROM LAST YEAR	5.000 Standard Change	↑24.69% FROM LAST YEAR
	TICKET STATUS			↑ 7.90%
4.000 SUCCESS TICKETS	502 ROLLBACK TICKETS	1.000 CANCEL TICKETS	502 Normal Change	FROM LAST YEAR

RECHARGE SERVICE PERFORMANCE



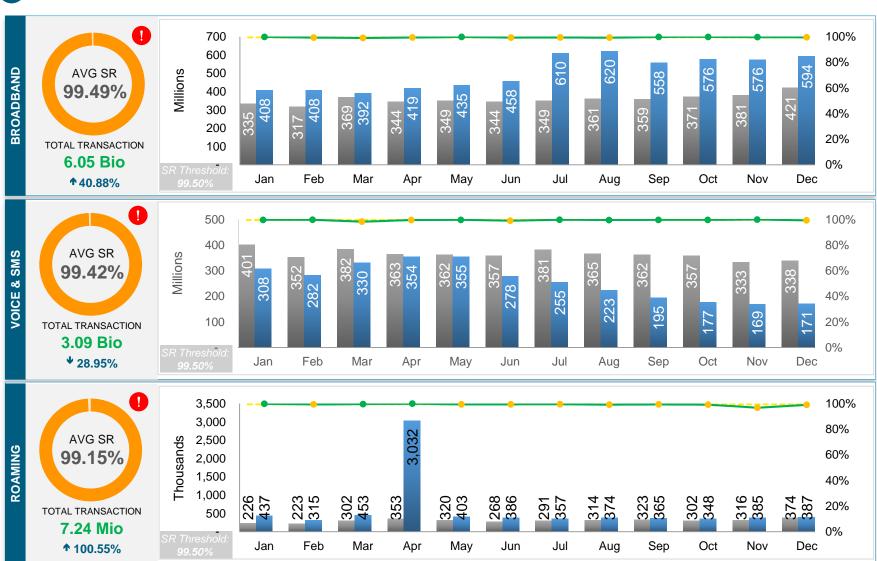


TOP 3 Denom Contribution					
Rank	Denom	Contribution	Current vs Last Week	Current vs Last Month	
1	10000	36.90%	-7.83%	-2.87%	
2	5000	23.79%	-2.88%	-11.85%	
3	20000	11.89%	-5.20%	-7.76%	

TOP 3 Region Contribution (MKIOS)					
Rank	Region	Contribution	Current vs Last Week	Current vs Last Month	
1	JATIM	13.95%	-0.57%	-3.18%	
2	SULAWESI	11.57%	-9.44%	-26.82%	
3	SUMBAGSEL	10.95%	-5.75%	+4.01%	

TOP 3 Sender ID Contribution (URP)					
Rank	Sender ID	Contribution	Current vs Last Week	Current vs Last Month	
1	TSELCASHAT M	16.41%	+15.82%	+92.67%	
2	NFCINDONES IAKIOSK	13.84%	-8.35%	+52.01%	
3	BRIFINATM	6.21%	-4.01%	-8.82%	

CORE ACTIVATION PERFORMANCE





2017 Total TRX

Success Rate 2018

2018 Total TRX

SR Threshold

Status Trx Distribution
Contribution per Status Transaction
0.06X 1.15X 98.79K
Success SNR Error

TOP 3 Product Channel Contribution (All)					
No	Product ID	Contribution	Current vs Last Week	Current vs Last Month	
	00011019	3.28%	-21.58%	+0.83%	
1	Paket Combo 500 MB data, 30 SMS Tsel, 75 menit Tsel /1 ha Rp 5000				
2	SahurHarian1_ Pre_UMB_OP	2.36%	-9.61%	+6.59%	
	Paket Flash 1 GB (00-07)				
3	ulmadurapantu ra_AR	2.11%	+3.45%	+17.04%	
	Paket SEPUASI	NYA Tsel (00.00-2	3.59)/1 hari		

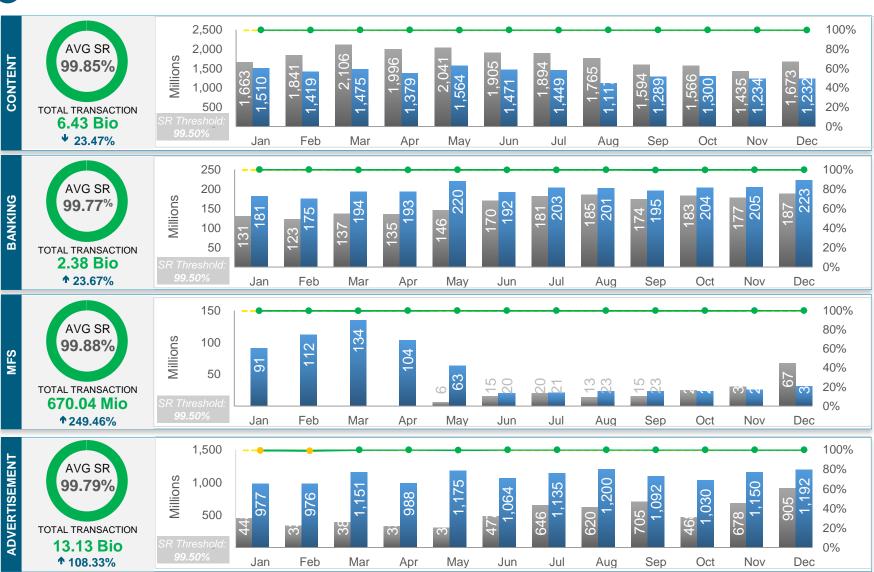


TOP 3 Product Channel Contribution (All)						
No	Product ID	Contribution	Current vs Last Week	Current vs Last Month		
	talkmaniaon	16.97%	+2.18%	-11.00%		
1	Paket Talkman	ia kuota 250mnt	Tsel & 50mnt Op	orLain		
2	jagoanSiang	10.31%	-0.43%	-13.44%		
2	Paket TALKMANIA Siang 500mnt Tsel&10mnt OprLain					
3	jagoanMalam	8.51%	+7.02%	-6.66%		
	Paket TALKMANIA Malam 400mnt Tsel&10mnt OprLain (17:00- 23:59)					



TOP 3 Product Channel Contribution (All)					
No	Product ID	Contribution	Current vs Last Week	Current vs Last Month	
	00006354	14.71%	-8.62%	+41.04%	
1	Paket Internet hari	ket Internet PROMO Asia Australia Internet Roaming 1Gb ri			
	00006422	8.10%	+15.49%	+85780.00%	
2	,	aket 3in1 Haji Internet Roaming 15GB, telepon 120 men an 120 SMS /40 hari			
	00006356	7.73%	-18.21%	+34.28%	
3	Paket Internet PROMO Asia Australia 2.5GB /7 hari				

DIGITAL SERVICE PERFORMANCE



Legend:

2017 Total TRX Su

Success Rate 2018

2018 Total TRX

SR Threshold

Status Trx Distribution

Contribution per Status Transac
1.15%
98.79%

Top Apps Contributor of Advertisement					
No	Apps	Contribution	Current vs Last Week	Current vs Last Mon	
1	ROLI	40.75%	-3.73%	-2.09%	
2	MALENABULK	34.30%	+4,74%	+5.72%	
3	LBA	23.48%	-20.54%	+8.59%	
4	MYADS	1.38%	+61.05%	+111.42%	

Status Trx Distribution



TOP 3 Bank Contribution					
No	Bank	Contribution	Current vs Last Week	Current vs Last Month	
1	Bank BRI	25.23%	-4.27%	+9.15%	
2	Bank BNI	24.07%	-5.66%	+8.95%	
3	Bank Mandiri	21.02%	-5.51%	+5.99%	

Status Trx Distribution



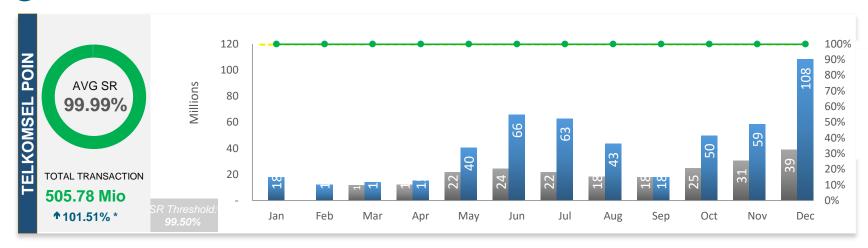
TOP 3 Highest Contribution of Channel					
Channel	Contribution	Current vs Last Week	Current vs Last Month		
MerchantH2H	88.99%	+11.53%	+58.13%		
SMS/USSD	8.86%	+11.88%	-2.14%		
Web Check Out	1.93%	-57.32%	+171.48%		

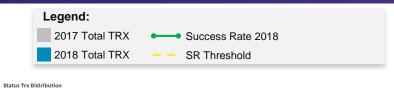
Status Trx Distribution

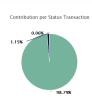


Top Apps Contributor of Advertisement					
No	Apps	Contribution	Current vs Last Week	Current vs Last Month	
1	ROLI	40.75%	-3.73%	-2.09%	
2	MALENABULK	34.30%	+4,74%	+5.72%	
3	LBA	23.48%	-20.54%	+8.59%	
4	MYADS	1.38%	+61.05%	+111.42%	

CUSTOMER LOYALTY SERVICE PERFORMANCE







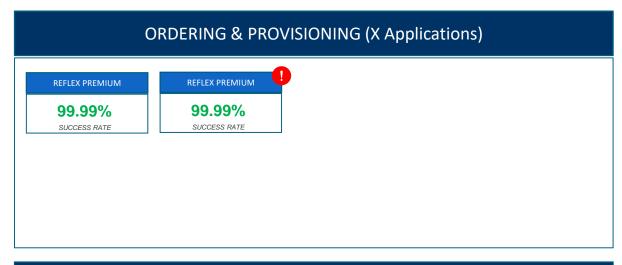
TOP 3 Keyword Contribution POV SMS Log					
No	Keyword	Contribution	Current vs Last Week	Current vs Last Month	
1	INJECT	71.10%	-19.12%	+3.92%	
2	HUT	12.63%	+12.57%	-13.10%	
3	POIN	4.69%	-49.65%	-76.45%	

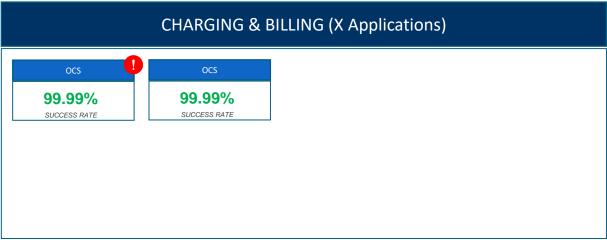
TOP 3 Service Contribution POV Inject POIN				
No	Service	Contribution	Current vs Last Week	Current vs Last Month
1	uxp_getpoin	66.43%	-0.20%	-16.37%
2	uxp_rdm	31.66%	+5.60%	-37.83%
3	Flash Deal	1.91%	-26.16%	+4.20%

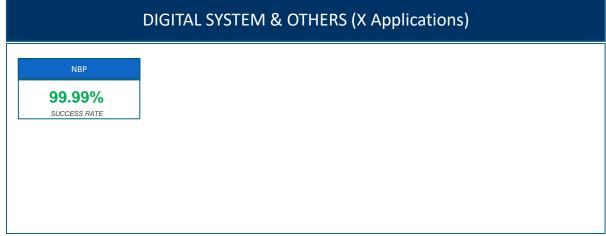
Application Performance

There were XX applications that was breach its threshold out of YY applications.





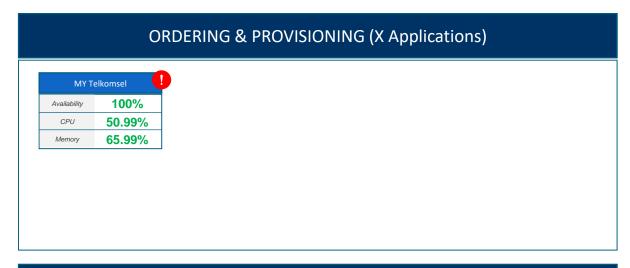




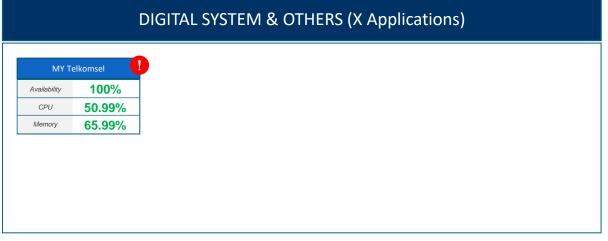
Success Rate degradation were caused by various factors which are explained in more details in the appendices.

Server Performance





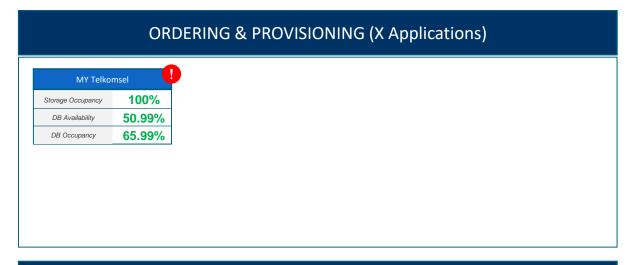
CHARGING & BILLING (X Applications) MY Telkomsel Availability 100% CPU 50.99% Memory 65.99%

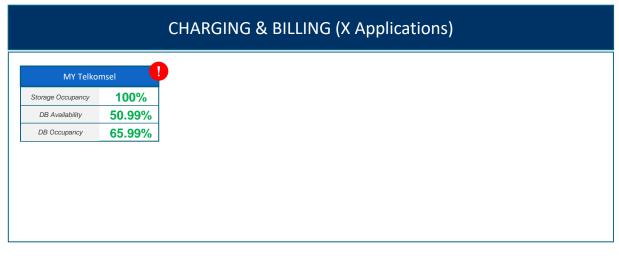


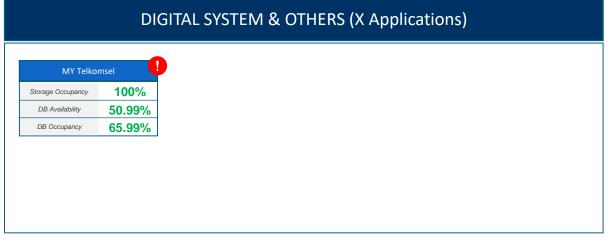
Metric degradation were caused by various factors which are explained in more details in the appendices.

Storage and Database Performance





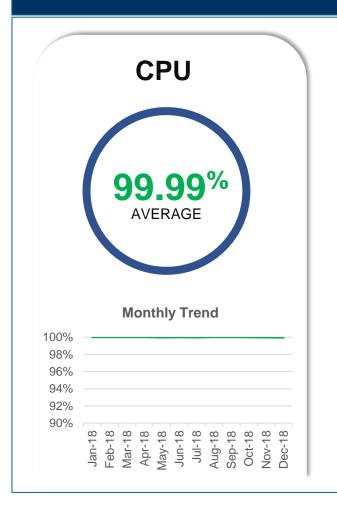


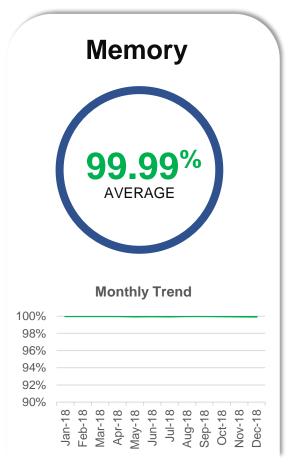


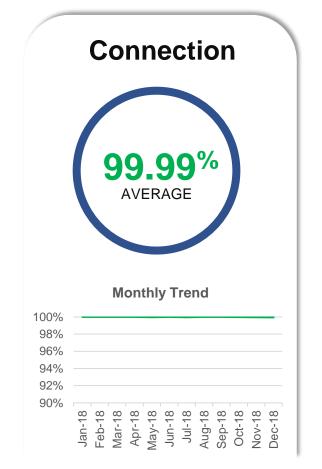
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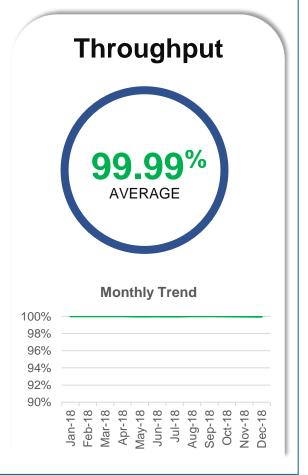
Firewall, Load Balancer, Proxy, Router & Switch Performance

FIREWALL



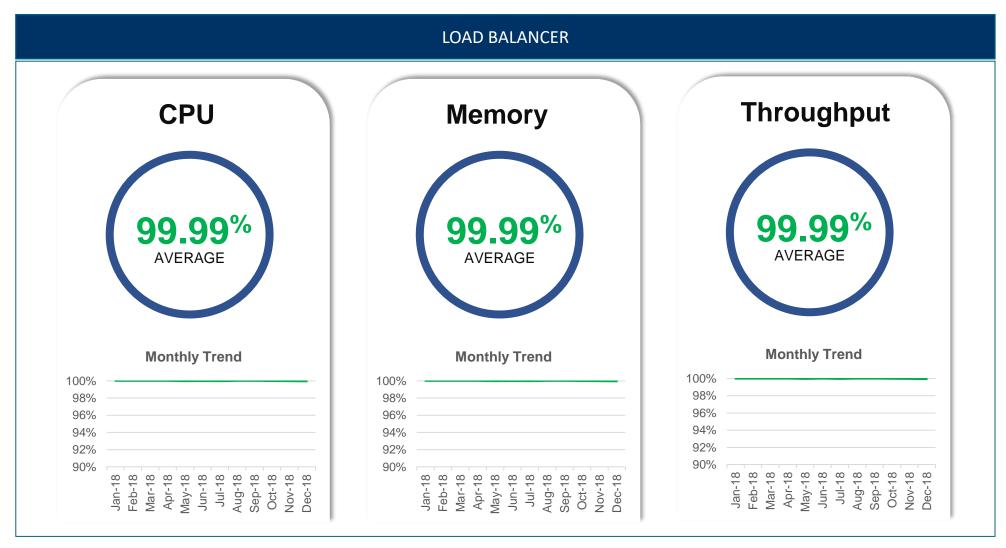






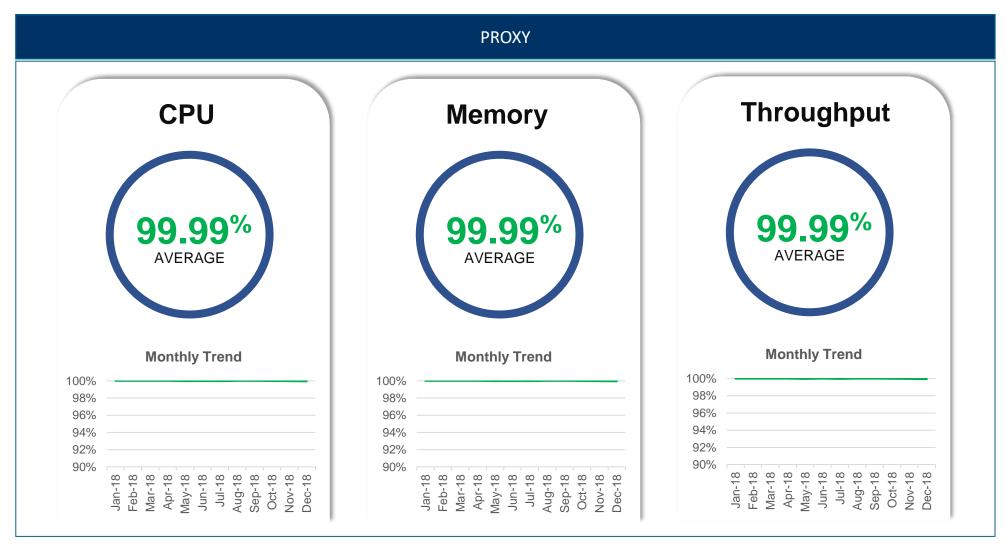
Metric degradation were caused by various factors which are explained in more details in the appendices.

Firewall, Load Balancer, Proxy, Router & Switch Performance



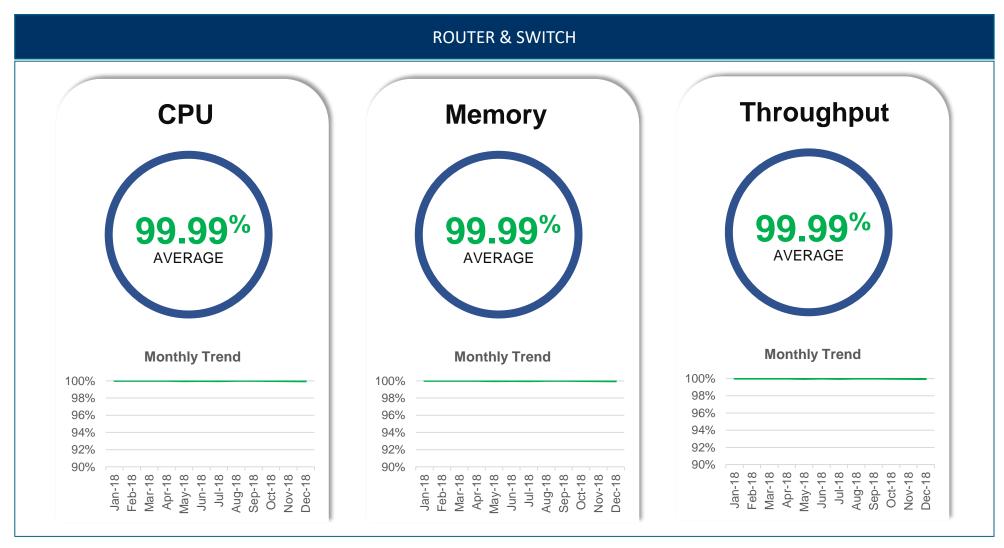
Metric degradation were caused by various factors which are explained in more details in the appendices.

Firewall, Load Balancer, Proxy, Router & Switch Performance



Metric degradation were caused by various factors which are explained in more details in the appendices.

Firewall, Load Balancer, Proxy, Router & Switch Performance



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