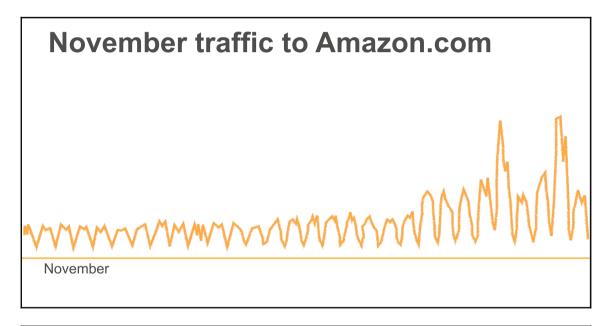
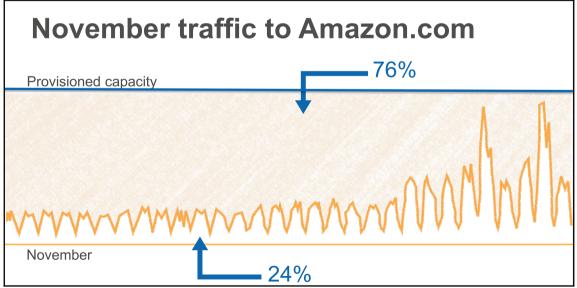
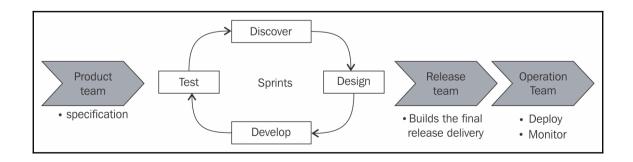
Chapter 01: The Cloud and the DevOps Revolution





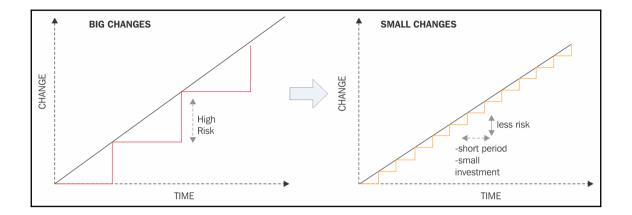


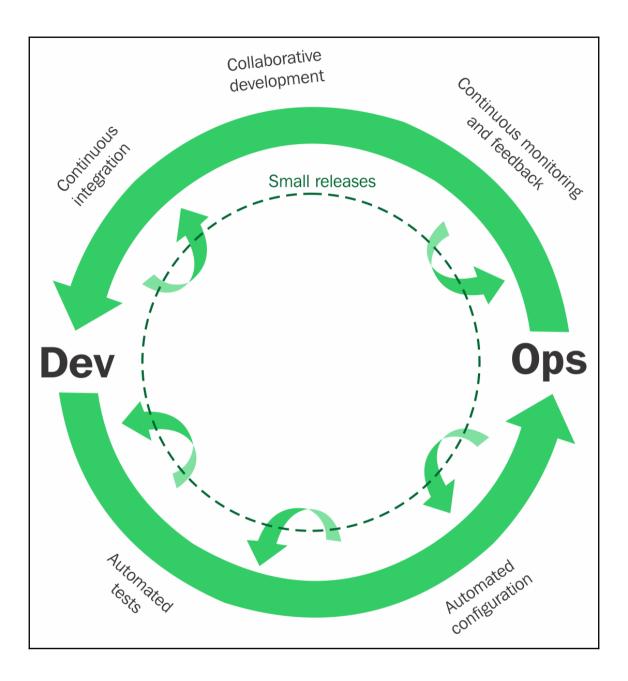




release delivery

Monitor

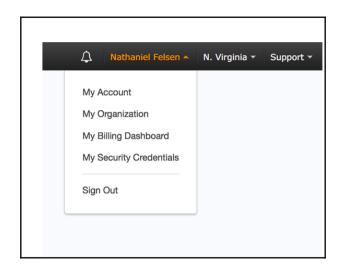


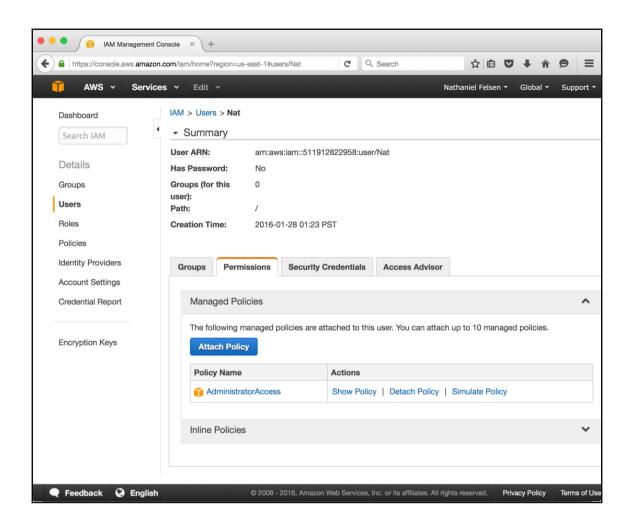


Fin	d a service by name or feature (fo	r examj	ble, EC2, S3 or VM, storage).		
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	EC2 Container Service Lightsail (2*		CodeCommit CodeBuild		AWS Greengrass
	Elastic Beanstalk Lambda Batch		CodeDeploy CodePipeline X-Ray	Q	Contact Center Amazon Connect
	Storage	È	Management Tools	2	Game Development Amazon GameLift
	S3 EFS Glacier		CloudWatch CloudFormation CloudTrail		Mobile Services
	Storage Gateway		Config OpsWorks	63	Mobile Hub Cognito
2	Database RDS DynamoDB ElastiCache		Service Catalog Trusted Advisor Managed Services		Device Farm Mobile Analytics Pinpoint
	Redshift	8	Security, Identity & Compliance	5	Application Services Step Functions
2	Networking & Content Delivery VPC CloudFront		IAM Inspector Certificate Manager Directory Service WAF & Shield		SWF API Gateway Elastic Transcoder
	Direct Connect Route 53		Artifact	P.	Messaging Simple Queue Service
٢	Migration Application Discovery Service	őŐŐ	Analytics Athena EMR		Simple Notification Servic SES
	DMS Server Migration Snowball		CloudSearch Elasticsearch Service Kinesis		Business Productivity WorkDocs WorkMail

Chapter 02: Deploying Your First Web Application

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-	Storage S3 EFS	Ê	Management Tools CloudWatch CloudFormation		Game Development Amazon GameLift	
	Glacier Storage Gateway		CloudTrail Config OpsWorks Service Catalog		Mobile Services Mobile Hub Cognito	
	Database RDS DynamoDB ElastiCache		Trusted Advisor Managed Services		Device Farm Mobile Analytics Pinpoint	
000	Redshift Networking & Content Delivery	8	Security, Identity & Compliance IAM Inspector Certificate Manager	5	Application Services Step Functions SWF API Gateway	
	VPC CloudFront Direct Connect Route 53		Directory Service WAF & Shield Artifact	Ę	Elastic Transcoder Messaging Simple Queue Service	
Ð	Migration Application Discovery Service	őÓŐ	Analytics Athena EMR		Simple Notification Service	CI
	DMS Server Migration Snowball		CloudSearch Elasticsearch Service Kinesis Data Pipeline QuickSight C		Business Productivity WorkDocs WorkMail Amazon Chime C	





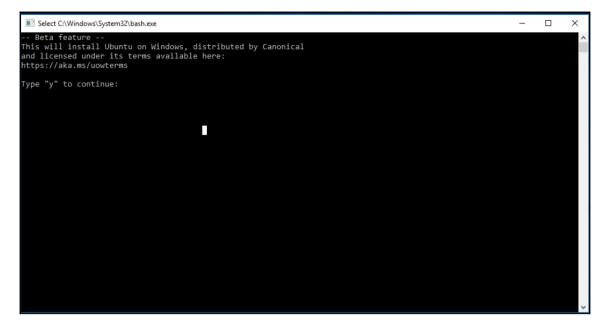
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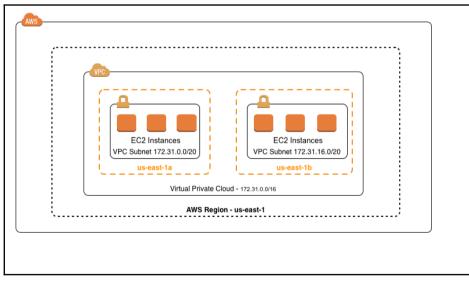
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Ø Home	For developers
control p	× Use developer features
Control Panel Opdate & security	These settings are intended for development use only. Learn more
C Windows Update	O Windows Store apps
Windows Defender	Only install apps from the Windows Store.
Troubleshoot	 Sideload apps Install apps from other sources that you trust, like your workplace.
 Recovery A single 	 Developer mode Install any signed and trusted app and use advanced development features.
 ⊘ Activation ▲ Find My Device 	Developer Mode package installed. Remote tooling for desktop is now enabled.
H For developers	Enable Device Portal
${\it P}_{\rm B}$. Windows Insider Program	Turn on remote diagnostics over local area network

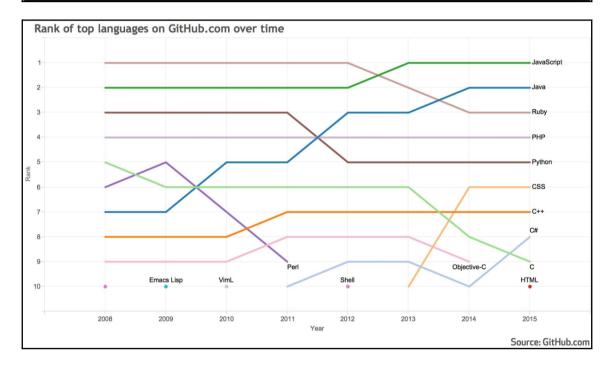
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 ♥ Turn Windows features on or off

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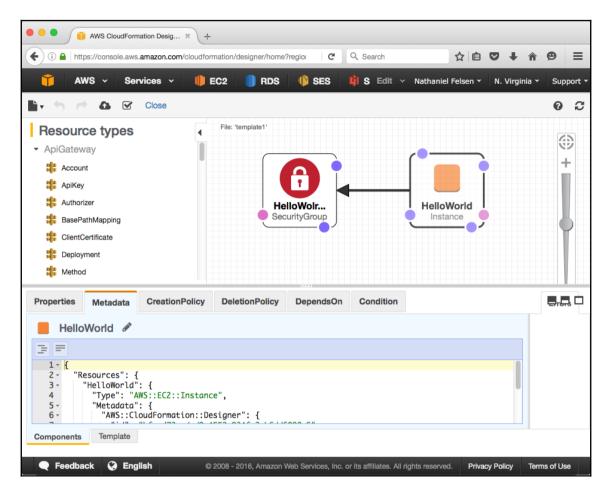


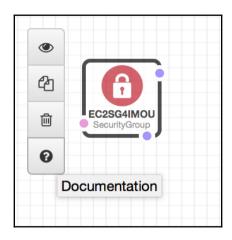
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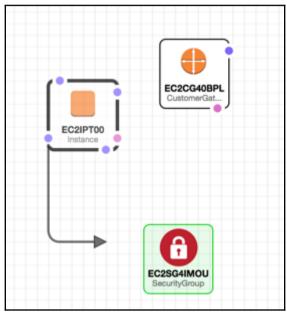


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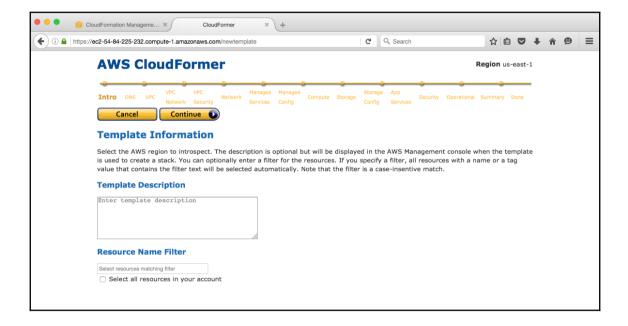
Chapter 03: Treating Your Infrastructure As Code







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50 -	"EC2IPT00": {	
51	"Type": "AWS:::	EC2::Instance",
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56	}	DisableApiTermination
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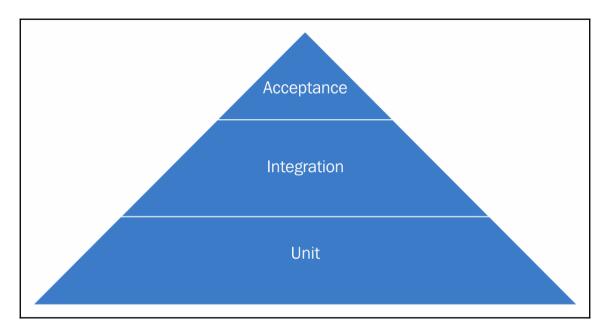
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Chapter 04: Adding Continuous Integration and Continuous Deployment

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	0	This branch has no conflicts with the base branch Merging can be performed automatically.	
	Me	Proceeding and the second seco	tructions.

	Checkout	Setup	Mocha test	Cleanup
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Sep 12 No Changes	647ms	12s	1s	1s

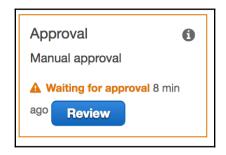


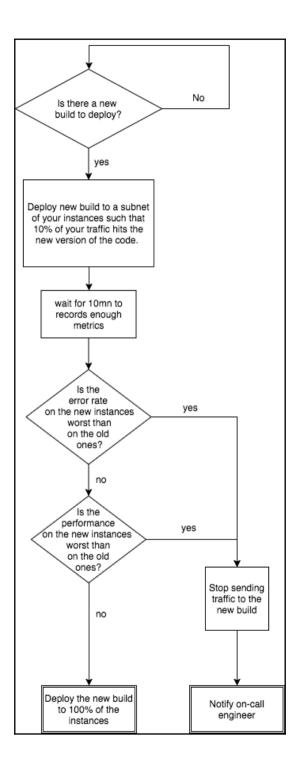
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2	Amazon EC2 🔻	•		•		8

Stop Bundle Beforeinstall Install Alternistall Start Service	Application Stop	Download Bundle	BeforeInstall	Install	AfterInstall	Application Start	Validate Service
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Review your pipe	eline 0
We will create your pipeline	e with the following resources.
Source Stage	
Source provider	GitHub
Repository	EffectiveDevOpsWithAWS/helloworld
Branch	master
Build Stage	
Build provider	No Build
Beta Stage	
Deployment provider	AWS CodeDeploy
Application name	helloworld
Deployment group	staging
Pipeline settings	
Pipeline name	helloworld
Artifact location	s3://codepipeline-us-east-1-805752931929/ AWS CodePipeline will use this existing S3 bucket to store artifacts for this pipeline. Depending on the size of your artifacts, you might be charged for storage costs. For more information, see Amazon S3 storage pricing.
Role name	AWS-CodePipeline-Service

Preview your changes					
Based on your input, CloudF	ormation will change the following resource	es. For more information, choose View change s	et details.		
Action	Logical ID	Physical ID	Resource type		
Add	Policy		AWS::IAM::Policy		

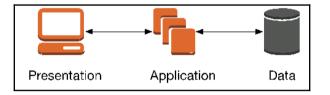


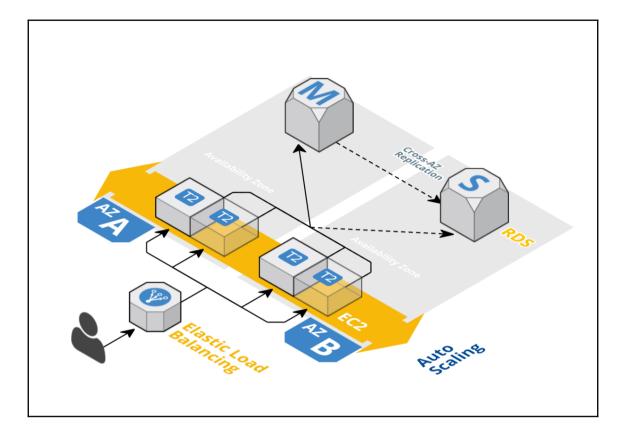


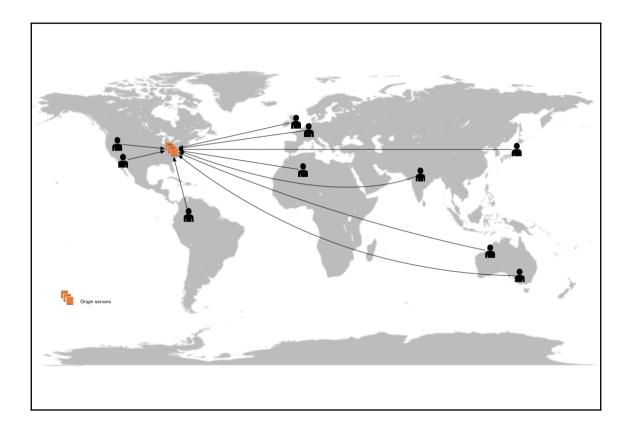
Chapter 05: Scaling Your Infrastructure

			Received the second
Parameters			
InstanceType	t2.micro	•	WebServer EC2 instance type
KeyPair	EffectiveDevOpsAWS	•	
	Name of an existing EC2 KeyPair to SSH		
PublicSubnet	subnet-3e905948 (172.31.0.0/20) 🗙	subnet-4de	cfe66 (172.31.48.0/20) 🗙
	subnet-4f3bdb17 (172.31.16.0/20) 🗙	subnet-82	ba3fbf (172.31.32.0/20) 🗙
	PublicSubnet		
ScaleCapacity	3		Number servers to run
VpcId	vpc-f7dc4093 (172.31.0.0/16)	•	

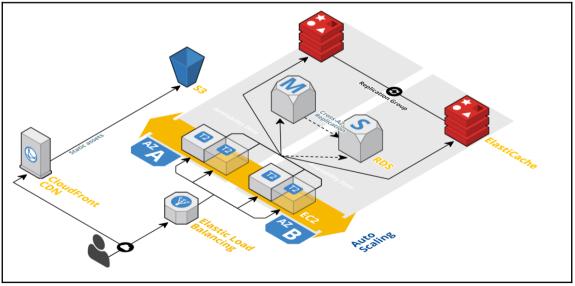
Preview y	Preview your changes								
Based on your	ased on your input, CloudFormation will change the following resources. For more information, choose View change set details.								
Action	Logical ID	Physical ID	Resource type	Replacement					
Add	AutoscalingGroup		AWS::AutoScaling::AutoScalingGroup						
Add	CPUTooHigh		AWS::CloudWatch::Alarm						
Add	CPUTooLow		AWS::CloudWatch::Alarm						
Add	LaunchConfiguration		AWS::AutoScaling::LaunchConfiguration						
Add	LoadBalancer		AWS::ElasticLoadBalancing::LoadBalancer						
Add	LoadBalancerSecurityGroup		AWS::EC2::SecurityGroup						
Add	ScaleDownPolicy		AWS::AutoScaling::ScalingPolicy						
Add	ScaleUpPolicy		AWS::AutoScaling::ScalingPolicy						
Modify	SecurityGroup	helloWorld-SecurityGroup-63BOXIT1L6PV	AWS::EC2::SecurityGroup	True					
Remove	instance	i-c10c64cf	AWS::EC2::Instance						

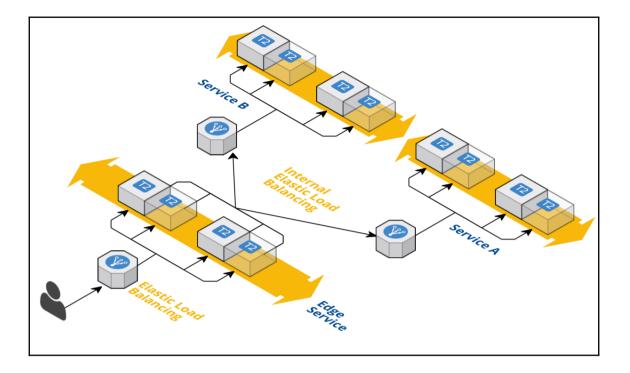


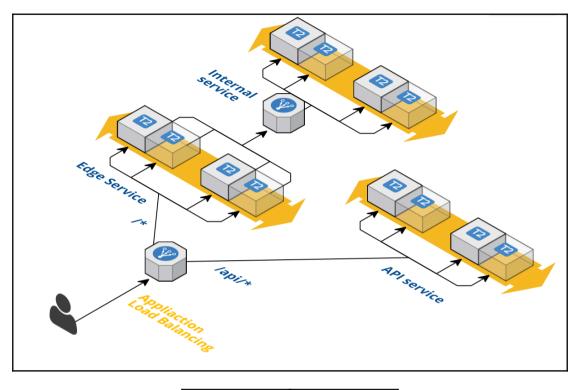




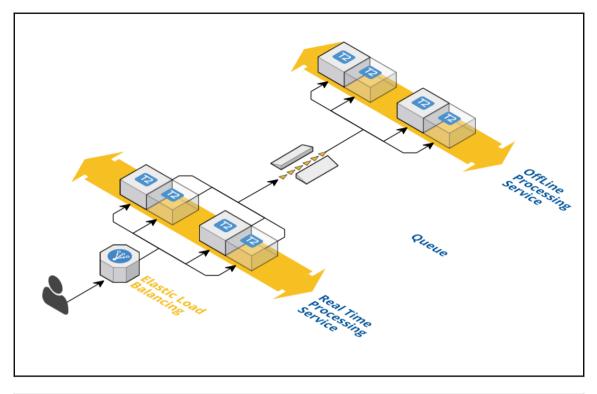


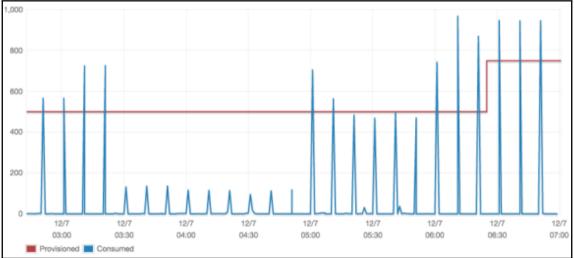


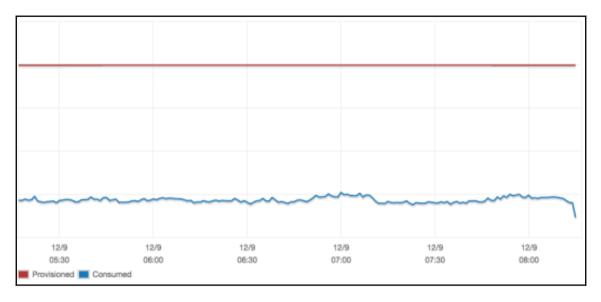


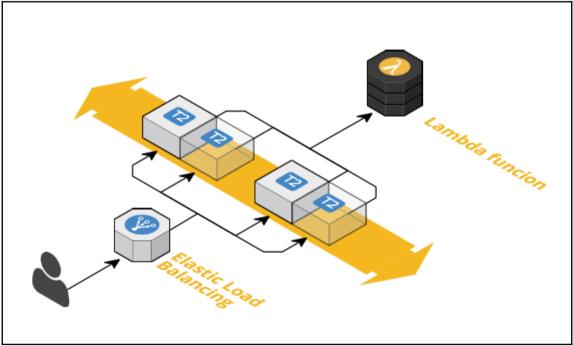


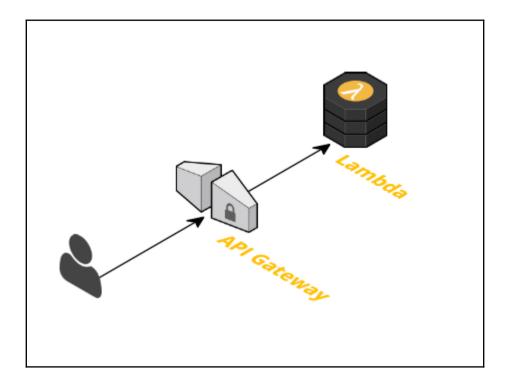


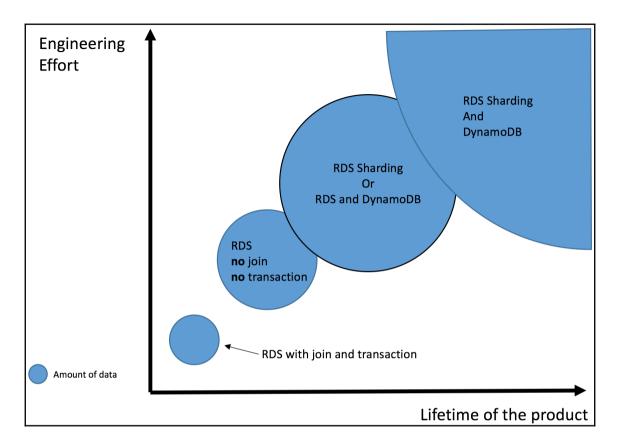


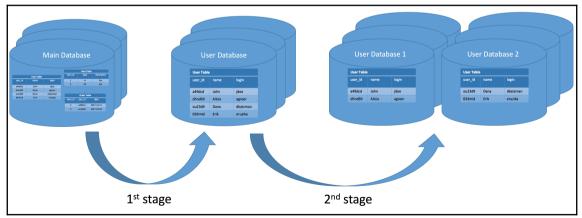


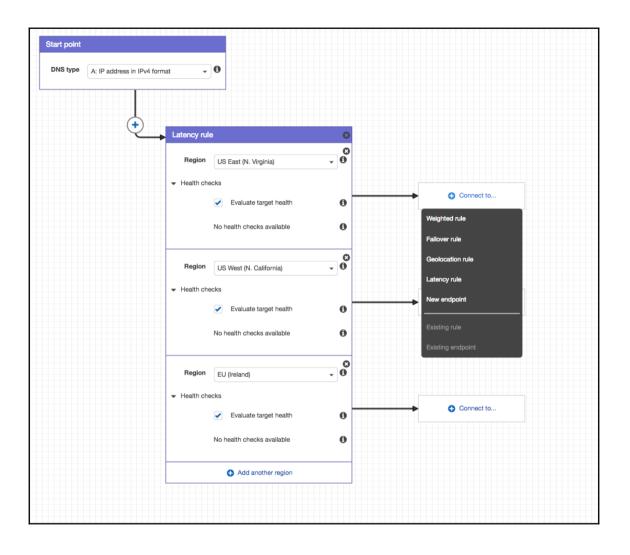




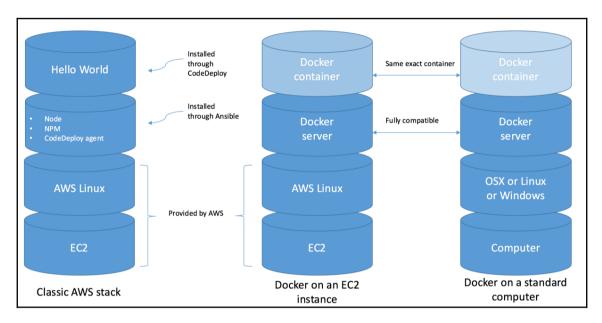


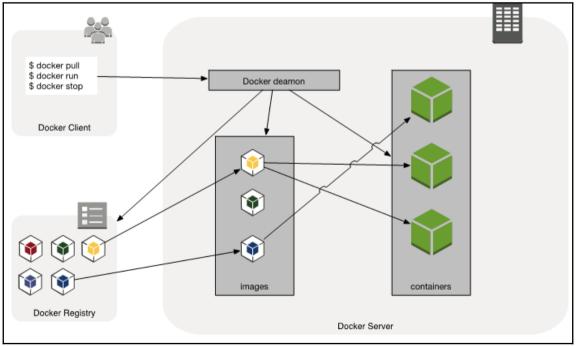






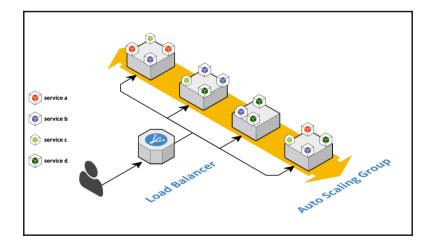
Chapter 06: Running Containers in AWS

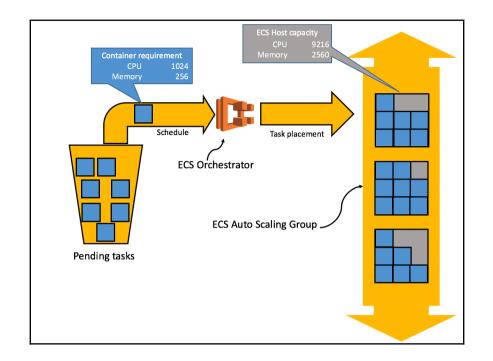


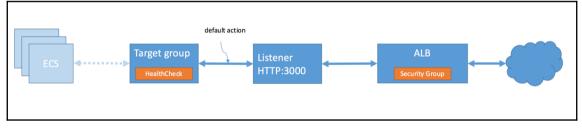


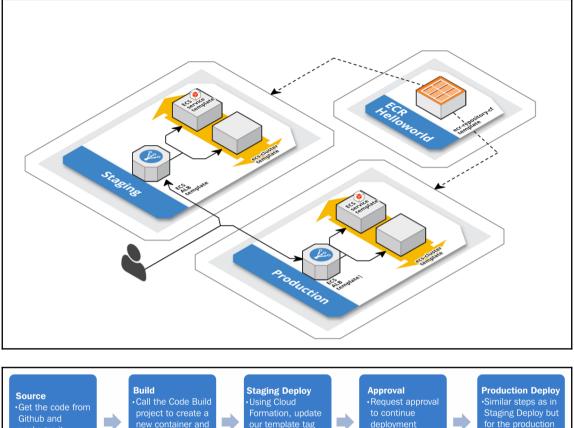
S	upported tags and respective Dockerfile links
•	7.4.0, 7.4, 7, latest (7.4/Dockerfile)
•	7.4.0-alpine, 7.4-alpine, 7-alpine, alpine (7.4/alpine/Dockerfile)
•	7.4.0-onbuild, 7.4-onbuild, 7-onbuild, onbuild (7.4/onbuild/Dockerfile)
•	7.4.0-slim, 7.4-slim, 7-slim, slim (7.4/slim/Dockerfile)
•	7.4.0-wheezy, 7.4-wheezy, 7-wheezy, wheezy (7.4/wheezy/Dockerfile)
•	6.9.4, 6.9, 6, boron (6.9/Dockerfile)
•	6.9.4-alpine, 6.9-alpine, 6-alpine, boron-alpine (6.9/alpine/Dockerfile)
•	6.9.4-onbuild, 6.9-onbuild, 6-onbuild, boron-onbuild (6.9/onbuild/Dockerfile)
•	6.9.4-slim, 6.9-slim, 6-slim, boron-slim (6.9/slim/Dockerfile)
•	6.9.4-wheezy, 6.9-wheezy, 6-wheezy, boron-wheezy (6.9/wheezy/Dockerfile)
•	4.7.2, 4.7, 4, argon (4.7/Dockerfile)
•	4.7.2-alpine, 4.7-alpine, 4-alpine, argon-alpine (4.7/alpine/Dockerfile)
•	4.7.2-onbuild, 4.7-onbuild, 4-onbuild, argon-onbuild (4.7/onbuild/Dockerfile)
•	4.7.2-slim, 4.7-slim, 4-slim, argon-slim (4.7/slim/Dockerfile)
•	4.7.2-wheezy, 4.7-wheezy, 4-wheezy, argon-wheezy (4.7/wheezy/Dockerfile)

r.









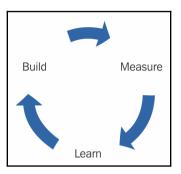
new container and

Staging Deploy •Using Cloud Formation, update our template tag

Production Deploy •Similar steps as in Staging Deploy but for the production

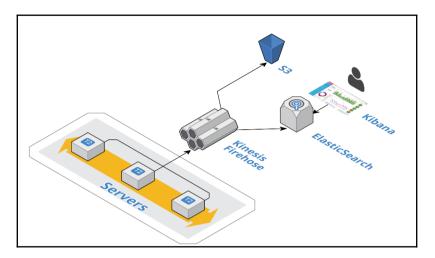
Source Ø GitHub

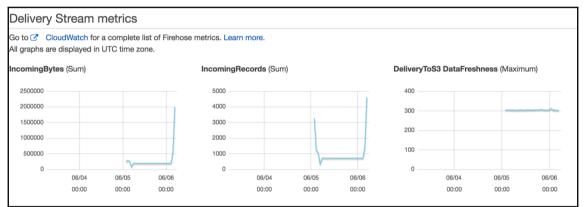
Chapter 07: Monitoring and Alerting



Untitled graph 🥒	2016-09-30) (17:00:00) - 2017-03-31 (16:59:59) • Line • Actions • 🛛 • 🛛
14.80- 12.80- 18.80- 	ଇମ୍ଫ ଭାସ ଭାସ ଭାସ ଭାସ ଭାସ ଭାସ	ව ව න්ත න්ත න්ත න්ත න්ත න්ත න්ත න්ත
All metrics Graphed metrics (1) Graph options	55	
All > S3 > Storage Metrics stack-27741-s3bucket-1gd5l3bqfjxi Q S	Search for any metric, dimension or resource id	
BucketName (2)	StorageType	Metric Name
stack-27741-s3bucket-1gd5i3bqfjxi	AllStorageTypes	NumberOfObjects
 stack-27741-s3bucket-1gd5l3bqfjxi 	StandardStorage	BucketSizeBytes

CloudWatch > Log Groups > Streams for /var/log/messages	- Custom Namespaces	
Search Log Group Create Log Stream Delete Log Stream Filter: Log Stream Name Prefix ×	Helloworld/traffic	
Log Streams i-033dc723d53b4c080	3 Metrics	





- Liberra	Management / Kibana	
🔼 KIDana	Index Patterns Saved Objects A	Advanced Settings
biccver biccver biccver vouste vouste vouste termine termine termine termine termine termine		dvanced Settings



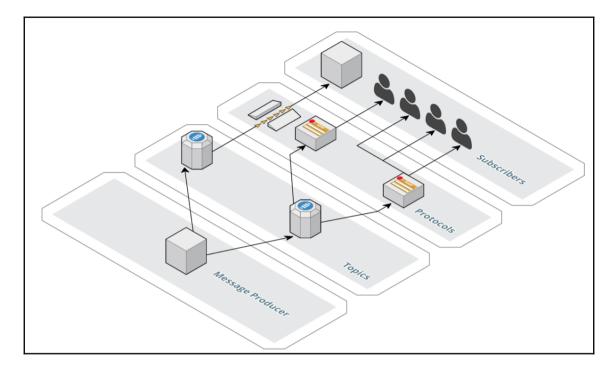
Untitled graph 🥒		1	ih 3h 12h 1d 3d 1w custom - Line - Actions - C - O
605K- 400K- 200K-			
NetworkOut DiskWriteByte	s DiskWriteOps	35 21140 21145 21150 21155 22100 22155 2210 2215 22200 22 ***	යන නවංග නවංග නත්න නවාග නවාග නවාග නවන නත්න නවංග නවංග නවංග නවංග නවංග නවංග නවංග නවං
All metrics Graphed m	etrics (3) Graph options		
All > EC2 > Per-Instanc	e Metrics i-00b41ec7280732370 O Q Search	for any metric, dimension or resource id	
Instance Name (12)	*	InstanceId	Metric Name
emr-i-00b41ec728073	1370	i-00b41ec7280732370 -	DiskWriteOps +
emr-i-00b41ec728073	370	i-00b41ec7280732370	DiskReadOps
emr-i-00b41ec728073	1370	i-00b41ec7280732370	NetworkOut
emr-i-00b41ec728073	1370	i-00b41ec7280732370	NetworkPacketsOut
emr-i-00b41ec728073	1370	i-00b41ec7280732370	CPUUtilization
emr-i-00b41ec728073	1370	i-00b41ec7280732370	DiskWriteBytes
emr-i-00b41ec728073	1370	i-00b41ec7280732370	Networkin
emr-i-00b41ec728073	:370	i-00b41ec7280732370	DiskReadBytes
emr-i-00b41ec728073	1370	i-00b41ec7280732370	NetworkPacketsIn
emr-i-00b41ec728073	1370	i-00b41ec7280732370	StatusCheckFailed_System
emr-i-00b41ec728073	1370	i-00b41ec7280732370	StatusCheckFailed
		i-00b41ec7280732370	StatusCheckFailed Instance

All > EC2 Q. Search for any matric, dimension or resource id 283 Metrics By Auto Scaling Group By Image (AMI) Id Per-Instance Metrics
283 Metrics By Auto Scaling Group By Image (AMI) Id Per-Instance Metrics
By Auto Scaling Group By Image (AMI) Id Per-Instance Metrics
91 Metrics 14 Metrics 164 Metrics
Aggregated by Instance Type Across All Instances
7 Metrics 7 Metrics

Q Search for any metric, dimension or resource	e Id			
95 Metrics				
- Custom Namespaces				
Linux System				
10 Metrics				
- AWS Namespaces				
Billing	EBS	EC2	ELB	
11 Metrics	18 Metrics	63 Metrics	33 Metrics	
Logs	S3	SNS		
4 Metrics	48 Metrics	8 Metrics		



		Last updated on June 8, 2017 11:33:59 PM (4m ago)	0
Tunhealthy			< 1-9 >
Event Id	Event Time	Message	
4c2fbcc7-4319-432e-95fc-5b3cfe8ecf33	2017-06-08 22:54:29 -0700	service staging-helloworld-service-service-802222X4Y1MPA (instance i-0fab95fc898faaa85) (port 32958) is unhealthy in target-group stagi-Targe-1XE8S1K7Q4SIT due to (reason Request timed out)	
c455f3e0-2ebf-444f-a9ad-dd881051d85f	2017-06-08 19:00:46 -0700	service staging-helloworld-service-service-80ZZ2XAY1MPA (instance i-0fab95/c898faaa85) (port 32954) is unhealthy in target-group stagi-Targe-1XE8S1K7Q4SIT due to (reason Request timed out)	
8e3d6ae5-e093-4ec6-a7e1-c358b9f24c3e	2017-06-08 17:07:18 -0700	service staging-helloworld-service-service-8QZZ2XAY1MPA (instance i-0fab95/c898faaa85) (port 32952) is unhealthy in target-group stagi-Targe-1XE8S1K7Q4SIT due to (reason Request timed out)	
7186e49e-cea4-4782-a2ff-8344b4ed6910	2017-06-08 16:09:48 -0700	service staging-helloworld-service-service-8QZZ2XAY1MPA (instance i-0fab95/c898faaa85) (port 32951) is unhealthy in target-group stagi-Targe-1XE8S1K7Q4SIT due to (reason Request timed out)	
74920950-0c70-49b8-836b-93e2ca097d33	2017-06-08 13:09:27 -0700	service staging-helloworld-service-service-8QZZ2XXY1MPA (instance i-0fab95/c898faaa85) (port 32948) is unhealthy in target-group stagi-Targe-1XE8S1K7Q4SIT due to (reason Request timed out)	
dfad4855-a475-4b3a-b350-9f755121ac02	2017-06-08 12:10:35 -0700	service staging-helloworld-service-service-sQZZ2XAY1MPA (instance i-Ofab95/c898/laaa85) (port 32947) is unhealthy in target-group stagi-Targe-1XE851K7Q4SIT due to (reason Request timed out)	
1052f5f2-f341-4891-b679-b7ea700cb8b7	2017-06-08 10:08:34 -0700	service staging-helloworld-service-service-8QZZ2XAY1MPA (instance i-0fab95/c898faaa85) (port 32945) is unhealthy in target-group stagi-Targe-1XE8S1K7Q4SIT due to (reason Request timed out)	
c5746c49-9aed-457d-a5f6-6b32f7b4f5b2	2017-06-08 09:11:01 -0700	service staging-helloworld-service-service-8QZZ2XAY1MPA (instance i-0fab95fc888faaa85) (port 32944) is unhealthy in target-group stagi-Targe-1XE851K7Q4SIT due to (reason Request timed out)	
f521919e-1ec8-4c49-825c-e193d4d7ed34	2017-06-08 08:14:42 -0700	service staging-helloworld-service-service-8QZZ2XAY1MPA (Instance i-0fab95fc898faaa85) (port 32943) is unhealthy in target-group stagi-Targe-1XE8S1K7Q4SIT due to (reason Request timed out)	



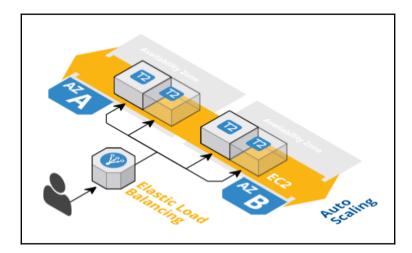
AWS Notifications <no-reply@sns.amazonaws.com>

to me 🖃

You have chosen to subscribe to the topic: arn:aws:sns:us-east-1:511912822958:alert-email

To confirm this subscription, click or visit the link below (If this was in error no action is necessary): Confirm subscription

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to sns-opl-out

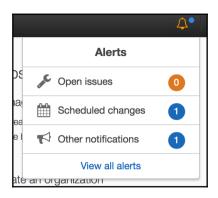


CloudWatch metrics: Show Below are your CloudWatch metrics for the selected resources (a maximum of 10). Click on a graph to see an expanded view. All times shown are in UTC. > View all CloudWatch Healthy Hosts (Count) Unhealthy Hosts (Count) Average Latency (Milliseconds) Sum Requests (Count) 12,500 1 1.25 20 1 10,000 15 0.75 0.75 7,500 0.5 10 0.5 5,000 5 0.25 0.25 2,500 0 -0 0 0 9/5 9/5 9/5 9/5 9/5 9/5 9/5 9/5 20:30 21:00 20:30 21:00 20:30 21:00 20:30 21:00 Sum HTTP 5XXs (Count) Sum ELB 5XXs (Count) Sum HTTP 4XXs (Count) Backend Connection Errors (Count) 1 1.25 1 0.75 1 0.75 0.75 0.5 0.5 0.5 0.25 0.25 0.25 0 0 0 9/5 9/5 9/5 9/5 9/5 9/5 9/5 9/5 20:30 21:00 20:30 21:00 20:30 21:00 20:30 21:00

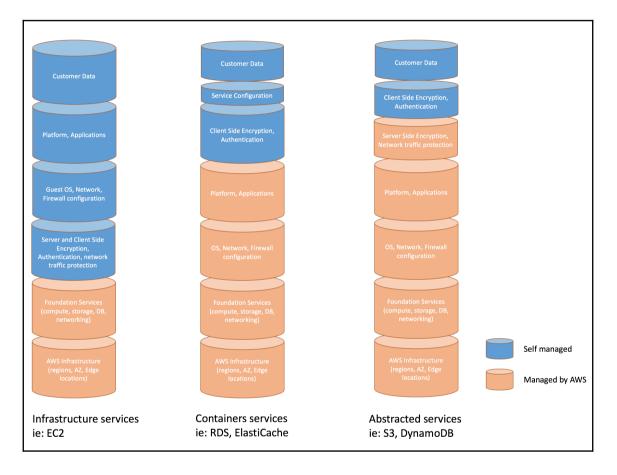
CloudWatch	Step 1: Create rule			
Dashboards Alarms	Create rules to invoke Targets based o	n Events happening in your AWS environment.		
ALARM 3 INSUFFICIENT 12	Event Source			
OK 4 Billing	Build or customize an Event Pattern or	r set a Schedule to invoke Targets.		
Events	🔵 Event Pattern 🚯 🔵 Schedule	e ()		
Rules	Build event pattern to match eve	ents by service		•
Logs Metrics	Service Name	EC2		-
	Event Type	EC2 Instance State-change Notification		-
	Any state	Specific state(s)		
	× running		•	-
	Any instance	Specific instance(s)		
			,	-
	Event Pattern Preview		Copy to clipboard	Edit
	 Show sample event(s) 			
	<pre>{ "version": "0", "id": "ee376907-2647-4179-9203-343cfb3 "detail-type": "EC2 Instance State-change "source": "aws.ec2", "account": "123456789012", "time": "2015-11-11T21:30:34Z", "region": "us-east-1", "resources": ["arn:aws:ec2:us-east-1:123456789012:in], "detail": { "instance-id": "i-abcd1111", "state": "running" } }</pre>	Notification",		

ОК	DiskSpaceUtilization-i-01d531a579ddb3b09-alert-sms	DiskSpaceUtilization >= 80 for 10 minutes
ОК	DiskSpaceUtilization-i-01d531a579ddb3b09-alert-email	DiskSpaceUtilization >= 60 for 10 minutes

	Production-alerts AWS Identity and Access Management (N. Virginia) Service Status APP 2:20 PM Informational message: Increased Error Rates and Latencies We are investigating increased error rates and latencies on IAM administrative APIs in US-EAST-1 Region. The IAM console and Create, Delete, List, Get, and Update API actions on IAM Users, Groups, Roles and Policies may be impacted. Other AWS services whose features require these actions will also be impacted. All existing authentications and authorizations are not impacted. AWS Identity and Access Management (N. Virginia) Service Status APP 3:20 PM Service is operating normally: Increased Error Rates and Latencies Between 1:01 PM and 2:48 PM PDT we experienced increased errors and latencies within the IAM console and Create, Delete, List, Get, and Update AP Other AWS services whose features require these actions were also impacted. The issue has been resolved and the service is now operating normally.	(ij)		
	Informational message: Increased Error Rates and Latencies We are investigating increased error rates and latencies on IAM administrative APIs in US-EAST-1 Region. The IAM console and Create, Delete, Li and Update API actions on IAM Users, Groups, Roles and Policies may be impacted. Other AWS services whose features require these actions will			
2	Service is operating normally: Increased Error Rates and Latencies Between 1:01 PM and 2:48 PM PDT we experienced increased errors and latencies within the IAM console and Create, Delete, List, Get, and Upd		Pls.	



Chapter 08: Hardening the Security of Your AWS Environment



Sec	curity Che	cks			
۲	A	Security Groups - Specific Ports Unrestricted	Refreshed: 8 hours ago	*	C
		Checks security groups for rules that allow unrestricted access (0.0.0.0/0) to specific ports.			
		22 of 57 security group rules allow unrestricted access to a specific port.			
►		IAM Use	Refreshed: 8 hours ago	*	C
		Checks for your use of AWS Identity and Access Management (IAM).			
		At least one IAM user has been created for this account.			
►		MFA on Root Account	Refreshed: 8 hours ago	÷	C
		Checks the root account and warns if multi-factor authentication (MFA) is not enabled.			
		MFA is enabled on the root account.			
I	ſ	Upgrade your Support plan to unlock all Trusted Advisor recommendations! You will have access to technical support from a cloud support engineer, with phone and chat support, support API, Identity and Access Manager guidance, and more.	nent, Architecture suppor	t - use ca	se
			Upgrade	Learn M	Nore

Am	Amazon Inspector - Findings								
Finding	gs are	potential security	issues discov	vered after Amazon Inspector runs an assessment ag	ainst a specified	assessment target. Le	arn more.		
× Filte	rs: {	"severities":["High"]}						
Add	/Edit	attributes						Last updated on June 18, 2017 5	:07:50 PM (0m ago) 2 🛓 🗘
TP	ilter								\ll $~$ $<$ Viewing 1-25 of 211 $~$ $>$ $~$ \gg
		Severity 🛛 👻	Date 👻	Finding	Т	arget	Template	Rules Package	
	۲	High	05/24/	Instance i-0935730fd55b92aa8 in your assessmen	nt target c Te	estAssessmentTar	TestAssessmentTe	Security Best Practices-1.0	
	•	High	05/24/	Instance i-0935730fd55b92aa8 in your assessmen	nt target c	estAssessmentTar	TestAssessmentTe	Security Best Practices-1.0	
0	۲	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 Te	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	•	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
\bigcirc	۲	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	•	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	•	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	۲	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	•	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2015 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	•	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2015 Te	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	۲	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	•	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	•	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 Te	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	
	۱.	High	05/24/	Instance i-0935730fd55b92aa8 is vulnerable to CV	/E-2016 T	estAssessmentTar	TestAssessmentTe	Common Vulnerabilities and Exposures-1.1	

ut2 Compute - Database - Manageme	nt - Messaging - Network - Security - Storage -	Regions - Filters - He
I Dashboard		
ss-account AssumeRole policy lacks external ID	AssumeRole policy allows all principals	Unused role for EC2
Roles checked: 22Roles flagged: 0	Roles checked: 22 Roles flagged: 0	Roles checked: 0 Roles flagged: 0
up with inline policies	Inline group policy allows NotActions	Inline group policy allows iam:PassRole *
 groups checked: 0 groups flagged: 0 	Policies checked: 0Policies flagged: 0	Policies checked: 0Policies flagged: 0
ne group policy allows sts:AssumeRole *	Inline role policy allows NotActions	Inline role policy allows iam:PassRole *
 Policies checked: 0 Policies flagged: 0 	Policies checked: 32Policies flagged: 0	Policies checked: 32Policies flagged: 5
ne role policy allows sts:AssumeRole *	Inline user policy allows NotActions	Inline user policy allows iam:PassRole *
 Policies checked: 32 Policies flagged: 0 	 Policies checked: 5 Policies flagged: 0 	 Policies checked: 5 Policies flagged: 0
ne user policy allows sts:AssumeRole *	Managed policy allows NotActions	Managed policy allows lam:PassRole *
 Policies checked: 5 Policies flagged: 0 	Policies checked: 44Policies flagged: 0	Policies checked: 44Policies flagged: 1
naged policy allows sts:AssumeRole *	Minimum password length too short	Password expiration disabled
 Policies checked: 44 Policies flagged: 0 	 Password policy checked: 0 Password policy flagged: 0 	 Password policy checked: 0 Password policy flagged: 0
sword reuse enabled	Role with inline policies	Lack of MFA (root account)
 Password policy checked: 0 Password policy flagged: 0 	Roles checked: 22 Roles flagged: 11	Root account checked: 1 Root account flagged: 0
ot account used recently	Root account has active keys	Lack of key rotation (Active)
Root account checked: 1 Root account flagged: 1	Root account checked: 1 Root account flagged: 0	 Access keys checked: 7 Access keys flagged: 6
k of key rotation (Inactive)	User with inline policies	User with multiple API keys
Access keys checked: 7 Access keys flagged: 0	Users checked: 7 Users flagged: 5	Users checked: 7 Users flagged: 0
er without MFA		
Users checked: 7 Users flagged: 1		

Filter	r: Select attribute Enter lookup	value Time range:	Select time range	m	
	Event time	User name	Event name	Resource type	Resource name
•	2017-02-25, 10:30:26 AM	Nat	ConsoleLogin		
	AWS access key		Event s	ource signin.amazonaws.com	
	AWS region us-east-1		Even	t time 2017-02-25, 10:30:26 AM	
	Error code		Requ	est ID	
	Event ID 3b6a2602-79	75-44c0-aa04-2d26e89c11de	Source IP ac	Idress 208.90.213.202	
	Event name ConsoleLogin	1	User	name Nat	
Res	sources Referenced (0)				
					View event
۶.	2017-02-25, 10:29:08 AM	root	ConsoleLogin		
•	2017-02-24, 02:59:52 PM	root	ConsoleLogin		
•	2017-02-24, 01:34:47 AM	root	DeleteStack		
•	2017-02-24, 01:34:03 AM	root	DeleteStack		
•	2017-02-24, 01:33:55 AM	root	DeleteBucket	S3 Bucket	stack-27741-s3bucket-1gd5l3bqfjxi
•	2017-02-24, 01:33:37 AM	root	DeleteStack		
•	2017-02-23, 11:58:14 PM	Nat	DeleteBucket	S3 Bucket	stack-27741-s3bucket-1gd5l3bqfjxi
•	2017-02-23, 11:47:28 PM	Nat	DeleteBucket	S3 Bucket	stack-27741-s3bucket-1gd5l3bqfjxi
•	2017-02-23, 11:47:07 PM	Nat	DeleteBucket	S3 Bucket	stack-27741-s3bucket-1gd5l3bqfjxi
•	2017-02-23, 11:47:02 PM	Nat	DeleteBucket	S3 Bucket	stack-27741-s3bucket-1gd5l3bqfjxi
•	2017-02-23, 11:46:56 PM	Nat	DeleteBucket	S3 Bucket	stack-27741-s3bucket-1gd5l3bqfjxi

CloudTrail Dashboard

Trails checked: 14

Trails flagged: 0

Global service logging duplicated

Logging disabled

Trails checked: 14

Trails flagged: 0

Global services logging disabled

- Trails checked: 14
- Trails flagged: 0

Not configured

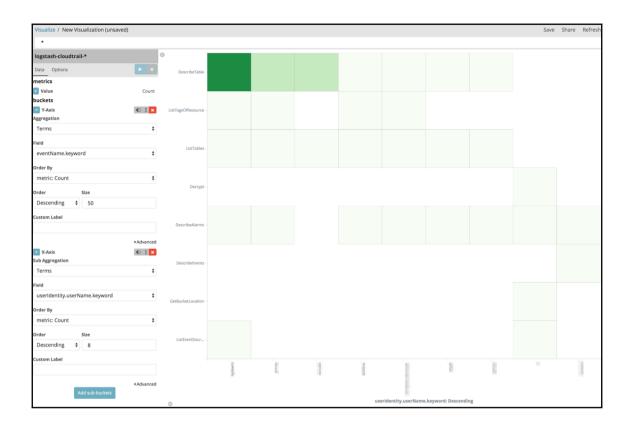
- Regions checked: 14
- Regions flagged: 0

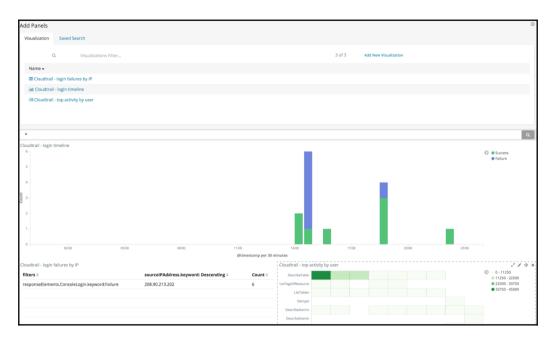
Log file validation disabled

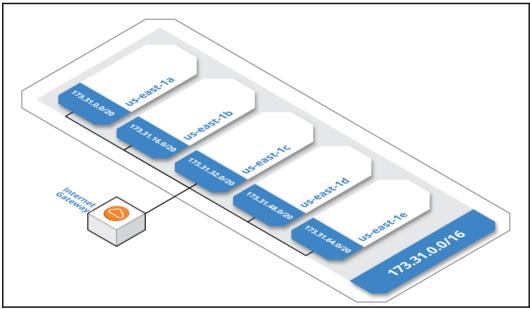
- Trails checked: 14
- Trails flagged: 0

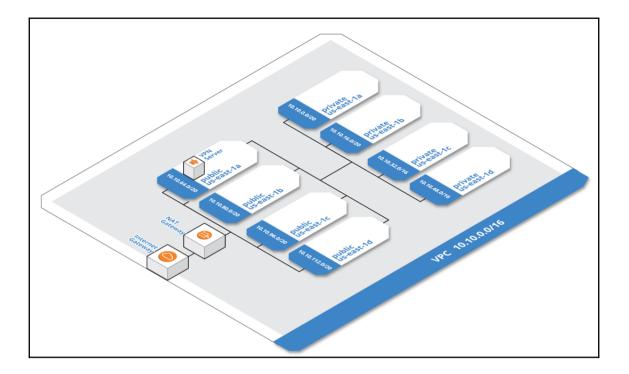
-	Visualize / New Visualization (unsaved)							Save Share	Refresh 🔇 🔿 Today
📈 kibana 👘	•								٩
Ø Discover	logstash-cloudtrail-*	0	6 -						Success
Visualize	Data Options								Failure
	metrics	١.,	5.5 -						
Oashboard	Y-Axis Count								
Timelion	Add metrics								
🔑 Dev Tools	buckets		5 -						
🏠 Management	X-Axis								
	Aggregation Date Histogram	4	4.5						
	Field (@timestamp \$		4						
	Auto \$								
		3	3.5 -						
	Custom Label								
			3 -						
	< Advanced								
	Split Bars		2.5 -						
	Terms \$								
	Field								
	responseElements.ConsoleLogin.keyword		2 -						
	Order By								
	metric: Count \$	1	1.5 -						
	Order Size								
	Descending \$ 5		1 -						
	Custom Label								
			0.5 -						
	< Advanced								
	Add sub-buckets								
			0	02:00 05:00	08:00	11:00 14:00	17:00	20:00 23:00	
 Collapse 		0				@timestamp per 30 minutes			

Visualize / New Visualization (unsaved)				Save	Share	Refresh	1 0	Today 🔪
*				Jave	Share	Refresh	• •	
	_							٩
logstash-cloudtrail-*	0	filters 🗘	sourceIPAddress.keyword: Descending \updownarrow				Count	
Data Options	► ×	responseElements.ConsoleLogin.keyword:Failure	208.90.213.202				6	
metrics								
Metric	Count							
Add metrics								
buckets								
Split Rows	© 1 ×							
Aggregation								
Filters	\$							
Filter 1	N X							
responseElements.ConsoleLogin.keywo	ord:Failu							
Add Filter								
Autu Piller	<advanced< td=""><td>Export: Raw & Formatted &</td><td></td><td></td><td></td><td></td><td></td><td></td></advanced<>	Export: Raw & Formatted &						
 Split Rows 	© 1 ×							
Sub Aggregation								
Terms	٥							
Field								
sourcelPAddress.keyword	\$							
Order By								
metric: Count	\$							
Order Size								
Descending \$ 5								
Custom Label								









Parameters	
InstanceType	t2.micro WebServer EC2 instance type
KeyPair	EffectiveDevOpsAWS -
	Name of an existing EC2 KeyPair to SSH
PrivateSubnet	subnet-8386e5cb (10.10.48.0/20) (vpc-10 Private D) 🗙
	subnet-a6b1bdc3 (10.10.16.0/20) (vpc-10 Private B) 🗙
	subnet-ff3a8fd3 (10.10.32.0/20) (vpc-10 Private C) 🗙
	subnet-a41cbefe (10.10.0.0/20) (vpc-10 Private A) 🗙
	PrivateSubnet
PublicSubnet	subnet-2aed4070 (10.10.64.0/20) (vpc-10 Public A) 🗙
	subnet-c98be881 (10.10.112.0/20) (vpc-10 Public D) 🗙
	subnet-d0b6bab5 (10.10.80.0/20) (vpc-10 Public B) 🗙
	subnet-1d259031 (10.10.96.0/20) (vpc-10 Public C) 🗙
	PublicSubnet
ScaleCapacity	2 Number servers to run
Vpcld	vpc-2bac0452 (10.10.0.0/16) (vpc-10)
	VPC

Public DNS (IPv4)	ec2-54-221-43-80.compute-1.amazonaws.com
IPv4 Public IP	54.221.43.80
IPv6 IPs	-
Private DNS	ip-172-31-62-32.ec2.internal
Private IPs	172.31.62.32
Secondary private IPs	
VPC ID	vpc-f7dc4093
Subnet ID	subnet-4decfe66
Network interfaces	eth0
Source/dest. check	True
EBS-optimized	False
Root device type	ebs
Root device	/dev/xvda
Block devices	/dev/xvda

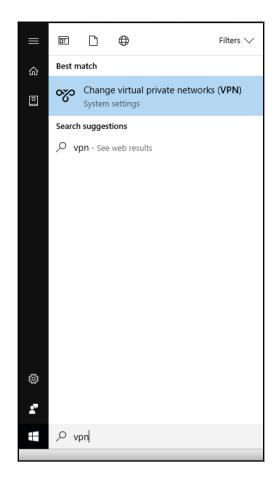
Public DNS (IPv4)	-
IPv4 Public IP	-
IPv6 IPs	-
Private DNS	ip-10-10-14-60.ec2.internal
Private IPs	10.10.14.60
Secondary private IPs	
VPC ID	vpc-2bac0452
Subnet ID	subnet-a41cbefe
Network interfaces	eth0
Source/dest. check	True
EBS-optimized	False
Root device type	ebs
Root device	/dev/xvda
Block devices	/dev/xvda

University of Tsukuba, Japan. SoftEther VPN

SoftEther L2TP/IPsec VPN server

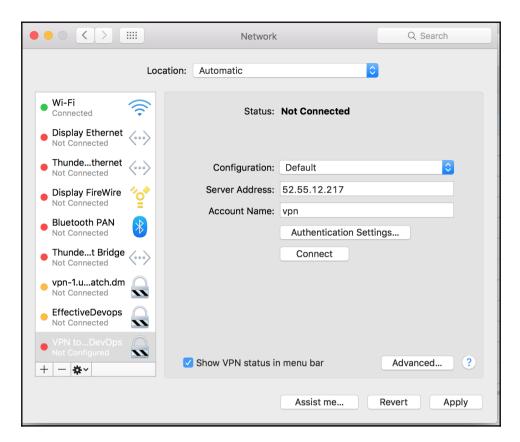
Sold by: COsh0 WOrk

SoftEther VPN ("SoftEther" means "Software Ethernet") is one of the world's most powerful and easy-to-use multi-protocol VPN software. It runs on Windows, Linux, Mac, FreeBSD and Solaris. If you have smartphones, tablets or laptop PCs, SoftEther VPN's L2TP/IPsec server function will help you to establish a remote-access VPN from your local network. SoftEther VPN's L2TP VPN Server has strong compatible with Windows, Mac, iOS and Android.



Settings		_	×
Add a VPN connection			
VPN provider			
Windows (built-in)			
Connection name			
EffectiveDevOps			
Server name or address			
54.234.114.248 ×			
VPN type			
L2TP/IPsec with pre-shared key V			
Pre-shared key			
•••••			
	Save	Cancel	

		Network		Q Search
s	elect the interface	and enter a nar	ne for the new service.	
	Interface:	VPN		
Wi-Fi Connected	VPN Type:	L2TP over IPS	ec	
Display Etherr Not Connected	Service Name:	VPN to Effectiv	veDevOps	5
• Thundetherr Not Connected			Cancel	
Display FireWire Not Connected	″ <mark>⁄</mark>	Server Address:	vpn-1.usw2.hatch.dm	
		Account Name:	vpnuser	
Bluetooth PAN Not Connected	★		Authentication Settin	ngs
• Thundet Bridge Not Connected	$\langle \cdots \rangle$		Connect	
EffectiveDevops Not Connected				
• SF ENG VPN Not Connected		ow VPN status i	n menu har	Advanced ?
+ - *~		Str VI N Status II		·
			Assist me	Revert Apply



User Authentication:							
•••• Password:	•••••						
RSA SecurID	RSA SecurID						
Certificate S	elect						
Kerberos							
CryptoCard							
Machine Authenticati O Shared Secret:	on:						
Certificate	Select						
Group Name:	(Optional)						
	Cancel OK						

