INTERNSHIP REPORT

FEB 2021 – JULY 2021

Internship report submitted in partial fulfilment of the requirement for the degree of Bachelor of Technology

In

COMPUTER SCIENCE ENGINEERING

By: Asmita Prajapati(171267)

To



Department of Computer Science & Engineering and Information Technology

Jaypee University of Information Technology Waknaghat, Solan-173234, Himachal Pradesh

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DECLARATION

I hereby declare that this submission is my own work carried out at Watchguard Technologies India Pvt Ltd, Noida from Feb, 2021 to July, 2021 and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma from a university or other institute of higher learning, except where due acknowledgment has been made in the text.

Driver -

Signature

Name: Asmita Prajapati

Date: 22-05-2021

CERTIFICATE

This is to certify that Ms. Asmita Prajapati of Jaypee University of Information Technology carried out the internship under my supervision at Watchguard Technologies from Feb, 2021 to July, 2021. Her efforts in the development of this internship were satisfactory.

Date: 22 May, 2021

Arsh Arafaat

Engineering Manager

Watchguard Technologies

ACKNOWLEDGEMENT

I take this opportunity to express my sincere thanks and deep gratitude to all those

people who extended their wholehearted cooperation and have helped me in

completing this internship successfully.

First of all, I would like to thank Mr. Arsh Arafaat and Mr. Anand Dev, who mentored

me, guided me and challenged me.

I also thank my family and friends who greatly supported me during the course of

theInternship.

Last but not the least, I would like to thank our founders for considering me a part of

the organization and provide such a great Platform to learn and enhance my skills.

A very special thanks goes to all the faculties of Jaypee University of Information

Technologyunder whom guidance I have been able to excel in my career and become a part

of the Watchguard family.

Asmita Prajapati

171267

Jaypee University of Information Technology

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SUMMARY

This report is all about what I learned as an intern and the work I carried out in Watchguard

Technologies, Noida during my internship period from Feb, 2021 to July, 2021.

For 25 years, WatchGuard has pioneered cutting-edge cybersecurity technology and delivered it as easy-

to-deploy and easy-to-manage solutions. With industry leading network and endpoint security, secure Wi-

Fi, multifactor authentication, and network intelligence products and services, WatchGuard enables more

than 250,000 small and midsize enterprises from around the globe to protect their most important assets i

ncluding over 10 million endpoints. In a world where the cybersecurity landscape is constantly evolving,

and new threats emerge each day, WatchGuard makes enterprise

grade cybersecurity technology accessible for every company. WatchGuard is headquartered in Seattle,

Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America.

Working here has taught me that a project is not only a piece of code, it is a compilation of

uncountable number of modules and a process behind building these modules. Writing code is just a

small fraction of making an application. Planning, assigning, reviewing, fixing, testing, compiling and

tracking all this process are some other fractions of developing an application.

During this internship, I did various Udemy trainings on, cyber-security, python, restful APIs in flask,

postman and its testing. After that I have learning about cloud and its different services. I have also

done two courses on AWS, explored various services with hands on experience in it. Currently, I am

working on an asset-management project for the company using dynamodb, lambda, cognito, sns and

cloudformation.

Asmita Prajapati

May 22, 2021

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ABBREVIATIONS

- 1. AWS Amazon Web Services
- 2. EC2 Elastic Compute Cloud
- 3. ECS Elastic Container Service
- 4. **EFS** Elastic File System
- 5. API Application Programming Interface
- 6. **RDS** Relational Databases
- 7. **S3** Simple Storage Service
- 8. KMS Key Management Service
- 9. IAM Identity and Access Management
- 10. **ECR** Elastic Container Registry

Chapter - 1

COMPANY'S PROFILE

1.1. Summary

Website:

https://www.watchguard.com

Facebook Page:

https://www.facebook.com/watchguardtechnolges

Linkedin Page:

https://www.linkedin.com/company/watchguard-technologies/

Twitter Page:

https://twitter.com/watchguard

1.2. About Us

For 25 years, WatchGuard has pioneered cuttingedge cybersecurity technology and delivered it as easy-to-deploy and easy-tomanage solutions. With industry leading network and endpoint security, secure Wi-

Fi, multifactor authentication, and network intelligence products and services, WatchGuard enables mo re than 250,000 small and midsize enterprises from around the globe to protect their most important as sets including over 10 million endpoints. In a world where the cybersecurity landscape is constantly ev olving, and new threats emerge each day, WatchGuard makes enterprise

grade cybersecurity technology accessible for every company. WatchGuard is headquartered in Seattle, Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America.

Intelligent Protection

Effective protection against today's vast number of evolving threats requires multiple services working intelligently together. Prevent, detect, and instantly respond to cyber attacks with automated policies.

Simplified Management

Managing security across your organization has never been simpler. Use out-of-the-box tools to quickly and easily deploy, configure, and maintain your security with the granularity of your choice.

Actionable Visibility

Monitor and report on the health of your IT infrastructure. Actionable visibility tools enable you to proactively identify threats, while providing corrective action against known issues.

Chapter - 2

INTRODUCTION TO THE PROJECT

Asset Management project deals with the information of all the office related purchases of different items/assets including laptops, mice, routers, keyboards, monitors, etc. Managing their details, model, date of expiration and their availability is done in this project.

It uses different services of AWS for different purposes, from which the main ones are:

- 1) **DynamoDb**: For managing the serverless database of different kinds of assets
- 2) Cognito: For creating user pool and keep a track of different users who logs in
- 3) Lambda Authorizer: For authentication of various APIs and make it more secure
- 4) Lambda: For creating and storing our functional codes in a serverless manner
- 5) API Gateway/Postman: For testing our api and creating routes for different APIs
- 6) Cloudwatch logs: For maintaining logs for each lambda function we have created, and tracing its events
- 7) S3: For the static hosting of our websites
- 8) Route 53: For providing us with a domain name
- 9) SAM template, Cloudformation: For deploying it completely serverless

Chapter - 3

IMPLEMENTATION DETAILS

AWS and its services

1. EC2



Amazon Elastic Compute Cloud (Amazon EC2) is a web service that provides secure, resi zable compute capacity in the cloud. It is designed to make webscale cloud computing easier for developers. Amazon EC2's simple web service interface allows you to obtain and configure capacity with minimal friction. It provides you with complete control of your computing resources and lets you run on Amazon's proven computing environment.

Amazon EC2 offers the broadest and deepest compute platform with choice of processor, s torage, networking, operating system, and purchase model. We offer the fastest processors in the cloud and we are the only cloud with 400 Gbps ethernet networking. We have the m ost powerful GPU instances for machine learning training and graphics workloads, as well as the lowest cost-per-

inference instances in the cloud. More SAP, HPC, Machine Learning, and Windows workl oads run on AWS than any other cloud. We can connect to our ec2 servers using ec2 connect from the console itself or using some third party application like mobaxterm and putty server.

2. ECS / Fargate / ECR



What is ECS (Elastic Container Service)?



Amazon Elastic Container Service (Amazon ECS) is a highly scalable, highperformance container orchestration service that supports Docker containers and allows yo u to easily run and scale containerized applications on AWS. Amazon ECS eliminates the need for you to install and operate your own container orchestration software, manage and scale a cluster of virtual machines, or schedule containers on those virtual machines.

With simple API calls, you can launch and stop Dockerenabled applications, query the complete state of your application, and access many famili ar features such as IAM roles, security groups, load balancers, Amazon CloudWatch Event s, AWS CloudFormation templates, and AWS CloudTrail logs.

What is ECR (Elastic Container Registry)?



Amazon Elastic Container Registry (ECR) is a fully-

managed Docker container registry that makes it easy for developers to store, manage, and deploy Docker container images. Amazon ECR is integrated with Amazon Elastic Container Service (ECS), simplifying your development to production workflow. Amazon ECR e liminates the need to operate your own container repositories or worry about scaling the underlying infrastructure. Amazon ECR hosts your images in a highly available and scalable architecture, allowing you to reliably deploy containers for your applications. Integration with AWS Identity and Access Management (IAM) provides resource-

level control of each repository. With Amazon ECR, there are no upfront fees or commitm ents. You pay only for the amount of data you store in your repositories and data transferr ed to the Internet

What is AWS Fargate?



AWS Fargate is a compute engine for Amazon ECS that allows you to run containers with out having to manage servers or clusters. With AWS Fargate, you no longer have to provis ion, configure, and scale clusters of virtual machines to run containers. This removes the n eed to choose server types, decide when to scale your clusters, or optimize cluster packing. AWS Fargate removes the need for you to interact with or think about servers or clusters. Fargate lets you focus on designing and building your applications instead of managing the infrastructure that runs them.

3. IAM



IAM is a feature of your AWS account offered at no additional charge. You will be charge d only for use of other AWS services by your users.

AWS IAM allows you to:

Manage IAM users and their access –

You can create users in IAM, assign them individual security credentials (in other words, access keys, passwords, and multi-

factor authentication devices), or request temporary security credentials to provide users ac cess to AWS services and resources. You can manage permissions in order to control which operations a user can perform.

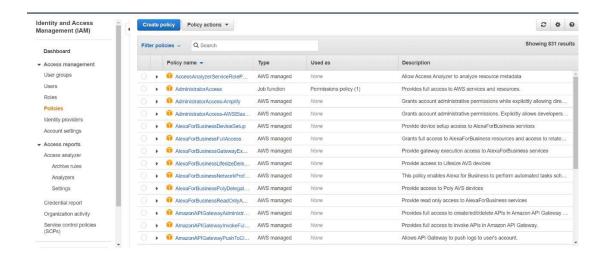
Manage IAM roles and their permissions –

You can create roles in IAM and manage permissions to control which operations can be performed by the entity, or AWS service, that assumes the role. You can also define which entity is allowed to assume the role. In addition, you can use service-

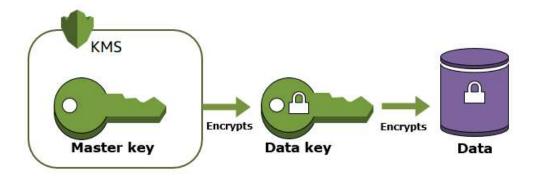
linked roles to delegate permissions to AWS services that create and manage AWS resourc es on your behalf.

Manage federated users and their permissions –

You can enable identity federation to allow existing identities (users, groups, and roles) in your enterprise to access the AWS Management Console, call AWS APIs, and access reso urces, without the need to create an IAM user for each identity. Use any identity managem ent solution that supports SAML 2.0, or use one of our federation samples (AWS Console SSO or API federation).



4. KMS



AWS Key Management Service (AWS KMS) is an encryption and key management web s ervice.

Encrypts plaintext into ciphertext by using a customer master key (CMK). The Encrypt op eration has two primary use cases:

•

You can encrypt small amounts of arbitrary data, such as a personal identifier or da tabase password, or other sensitive information.

•

You can use the Encrypt operation to move encrypted data from one AWS Region to another. For example, in Region A, generate a data key and use the plaintext key to enc rypt your data. Then, in Region A, use the Encrypt operation to encrypt the plaintext data key under a CMK in Region B. Now, you can move the encrypted data and the encrypted data key to Region B. When necessary, you can decrypt the encrypted data key and the encrypted data entirely within in Region B.

Decrypts ciphertext that was encrypted by a AWS KMS customer master key (CMK) usin g any of the following operations:

Encrypt

GenerateDataKey

GenerateDataKeyPair

Generate Data Key Without Plaint ext

Generate Data Key Pair Without Plaint ext

You can use this operation to decrypt ciphertext that was encrypted under a symmetric or asymmetric CMK.



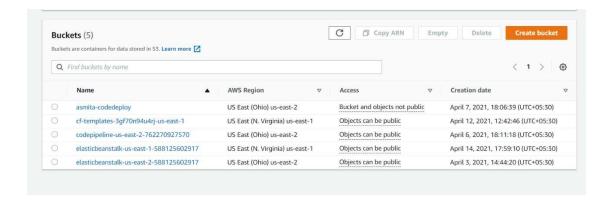
5. S3



Amazon Simple Storage Service (Amazon S3) is an object storage service that offers indus try-

leading scalability, data availability, security, and performance. This means customers of a ll sizes and industries can use it to store and protect any amount of data for a range of use cases, such as data lakes, websites, mobile applications, backup and restore, archive, enter prise applications, IoT devices, and big data analytics. Amazon S3 provides easy-to-use management features so you can organize your data and configure finely-tuned access controls to meet your specific business, organizational, and compliance requir ements.

An Amazon S3 bucket is a public cloud storage resource available in Amazon Web Servic es' (AWS) Simple Storage Service (S3), an object storage offering. Amazon S3 buckets, w hich are similar to file folders, store objects, which consist of data and its descriptive meta data



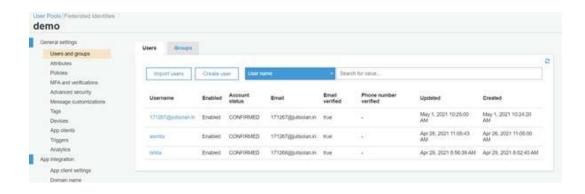
6. Cognito

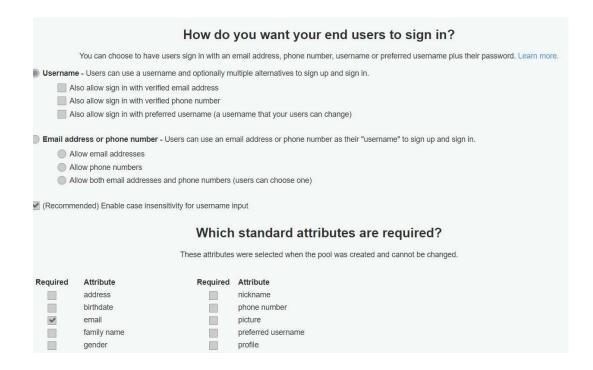


Amazon Cognito lets you add user sign-up, sign-

in, and access control to your web and mobile apps quickly and easily. Amazon Cognito s cales to millions of users and supports sign-

in with social identity providers, such as Apple, Facebook, Google, and Amazon, and ente rprise identity providers via SAML 2.0 and OpenID Connect.





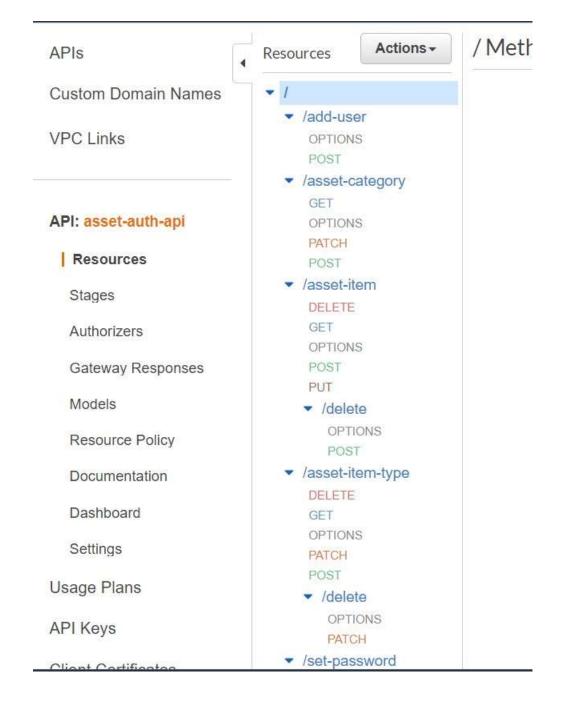
7. API Gateway



Amazon API Gateway is a fully managed service that makes it easy for developers to creat e, publish, maintain, monitor, and secure APIs at any scale. APIs act as the "front door" fo r applications to access data, business logic, or functionality from your backend services. Using API Gateway, you can create RESTful APIs and WebSocket APIs that enable real-time two-

way communication applications. API Gateway supports containerized and serverless wor kloads, as well as web applications.

API Gateway handles all the tasks involved in accepting and processing up to hundreds of thousands of concurrent API calls, including traffic management, CORS support, authoriza tion and access control, throttling, monitoring, and API version management. API Gatewa y has no minimum fees or startup costs. You pay for the API calls you receive and the am ount of data transferred out and, with the API Gateway tiered pricing model, you can reduce your cost as your API usage scales.

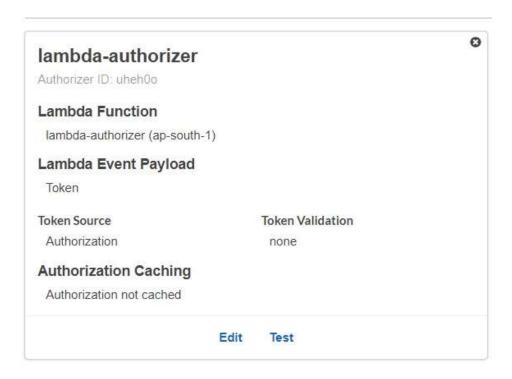


Lambda Authorizer

A Lambda authorizer (formerly known as a custom authorizer) is an API Gateway feature that uses a Lambda function to control access to your API.

A Lambda authorizer is useful if you want to implement a custom authorization scheme th at uses a bearer token authentication strategy such as OAuth or SAML, or that uses reques t parameters to determine the caller's identity.

When a client makes a request to one of your API's methods, API Gateway calls your Lam bda authorizer, which takes the caller's identity as input and returns an IAM policy as outp ut.



8. Lambda



AWS Lambda is a serverless compute service that runs your code in response to events an d automatically manages the underlying compute resources for you. You can use AWS La mbda to extend other AWS services with custom logic, or create your own backend services that operate at AWS scale, performance, and security.

After you upload your code to AWS Lambda, you can associate your function with specific AWS resources (e.g. a particular Amazon S3 bucket, Amazon DynamoDB table, Amazon Kinesis stream, or Amazon SNS notification). Then, when the resource changes, Lambda will execute your function and manage the compute resources as needed in order to keep up with incoming requests.



9. Dynamo DB



Amazon DynamoDB is a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability. DynamoDB lets you offload the administrative burdens of operating and scaling a distributed database so that you don't have to worry about hardware provisioning, setup and configuration, replication, software patching, or cluster scaling. DynamoDB also offers encryption at rest, which eliminates the operational burden and complexity involved in protecting sensitive data. For more information, see DynamoDB Encryption at Rest.

With DynamoDB, you can create database tables that can store and retrieve any amount of data and serve any level of request traffic. You can scale up or scale down your tables' throughput capacity without downtime or performance degradation. You can use the AWS Management Console to monitor resource utilization and performance metrics.

Core Components of Amazon DynamoDB

When you create a table, in addition to the table name, you must specify the primary key of the table. The primary key uniquely identifies each item in the table, so that no two items can have the same key.

DynamoDB supports two different kinds of primary keys:

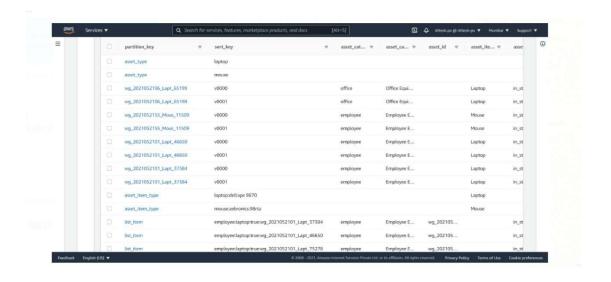
Partition key – A simple primary key, composed of one attribute known as the partition key.

DynamoDB uses the partition key's value as input to an internal hash function. The output from the hash function determines the partition (physical storage internal to DynamoDB) in which the item will be stored.

Partition key and sort key – Referred to as a composite primary key, this type of key is composed of two attributes. The first attribute is the partition key, and the second attribute is the sort key.

DynamoDB uses the partition key value as input to an internal hash function. The output from the hash function determines the partition (physical storage internal to DynamoDB) in which the item will be stored. All items with the same partition key value are stored together, in sorted order by sort key value.

In a table that has a partition key and a sort key, it's possible for two items to have the same partition key value. However, those two items must have different sort key values.



10. CloudWatch Logs

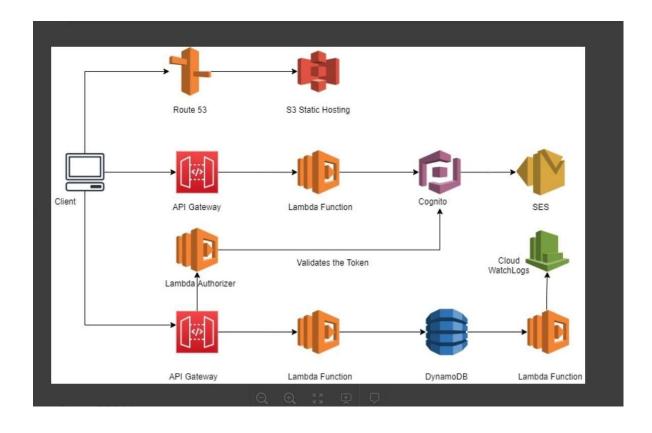


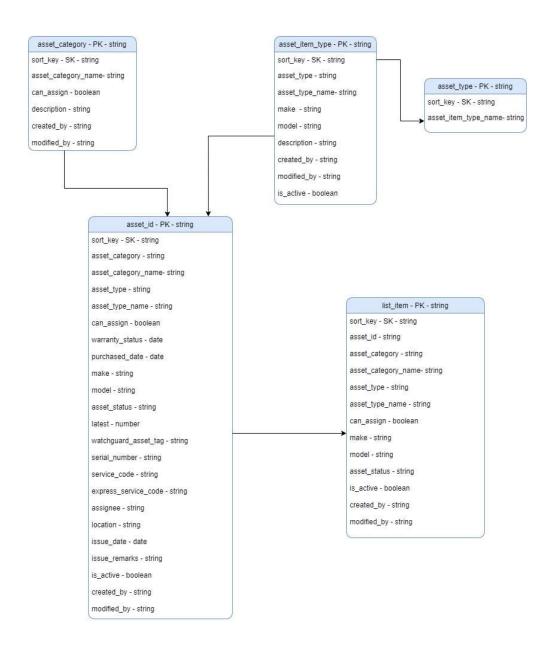
CloudWatch Logs lets you monitor and troubleshoot your systems and applications using your existing system, application and custom log files. With CloudWatch Logs, you can m onitor your logs, in near real time, for specific phrases, values or patterns.

CloudWatch Logs enables you to see all of your logs, regardless of their source, as a singl e and consistent flow of events ordered by time, and you can query them and sort them ba sed on other dimensions, group them by specific fields, create custom computations with a powerful query language, and visualize log data.



• Architecture Diagram of the Project





• API Docs

1. Asset Category

o ADD

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset- category	POST	{ "asset_category_name": "Pantry Equipment", "description": "This Equipment is for the office Pantry use", "can_assign": false, "created_by": "Admin" }	{ "code": 0, "message": "Asset Category added Successfully", "added_data": { partition_key!" - asset_category", "sort_key!" - foffice", "asset_category, amen: "Office Equipment", "description": "This Equipment is for the Office use only", "can_assign": false, "created_by": "Admin 2021-05-18 09:18", "modified_by": "Admin 2021-05-18 09:18", } }	code : 0 Description : It denotes asset category creation was Successful.	code: 1 C. Description: It denotes the API Ca has failed due to some Error.

o **FETCH**

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset-category	GET	NII	{ "code": 0, "message": "Asset Categories fetched Successfully", "data": ["asset_category_name": "Employee Equipment", "can_assign": true, "partition_key: "asset_category", "created_by!": "Admin[2021-05-18 09:19", "sort_key": "employee", "modified_by!": "Admin[2021-05-18 09:19", "description": "This Equipment is for the employee use"), { "asset_category_name": "Office Equipment", "can_assign": false, "partition_key": "asset_category", "created_by!": "Admin[2021-05-18 09:18", "sort key": "office", "sort key": "office", "office", "sort key": "office", "office", "sort key": "office", "office",	code : 0 Description : It denotes the asset-category fetching was Successful.	1. code: 1 2. Description: It denotes the API Cahas Failed due to some Error.

o **UPDATE**

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset- category	PATCH	{ "sort_key": "office", "data": { "description": "This Equipment is for Office use", "modified_by": "Admin" } }	{ "code": 0, "message": "Asset Category updated Successfully, "updated_data": { "asset_category_name": "Employee Equipment", "can_assign": true, "partition_kes;" asset_category", "created_by": "Admin[2021-05-18 09:19", "sort_key": "employee", "modified_by": "Admin[2021-05-18 09:20", "description": "This Equipment is for employee use" } }	code; 0 Description: It denotes the asset category <u>updation</u> was Successful.	code: 1 Description: It denotes the API Call has Failed due to some Error.

2. Asset Item Type

o ADD

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset- item- type	POST	{ "asset_item_type_name": "Server", "description": "This is a sample description for this Server", "make": "Cisco", "model": "SG-454", "created_by": "Admin" }	("code": 0, "message": "Asset Item Type added Successfully", "added data": ["partition,key!" "asset Item, type", "sort,key": "serverciscosg: 454", "asset,type," "serverciscosg: 454", "asset,type, name": "Server", "is, active": true, "description": "This is a sample description for this Server", "make": "Cisco", "model": "SG-454", "created, by": "Admin[2021-05-18 09:22", "modified, by": "Admin[2021-05-18 09:22"] }	code : 0 Description : It denotes the asset-item- type creation was Successful.	code: 1 Description: It denotes the API Call has Failed due to some Error.

o FETCH



o UPDATE

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset- item- type	PATCH	{ "data":{ "description":" <u>S</u> - 11th Gen , 512 <u>SSD</u> ", "modified _by": "Admin" }	{ "code": 0, "message": "Updated Asset Item Type Successfully", "updated_data": { "modef: "kES 1970", "partition, key: "asset_Item_type", "created_by: "Admin[2021-05-18 09:23", "sort_key: "laptom/ellxips 1970", "is_active": true, "modified_by: "Admin[2021-05-18 09:26", "asset_type_" "laptom/ellxips", "asset_type_name": "Laptom/, "description": "IS - 11th Gen , 512 SSD", "make": "Dell" }	code: 0 Description: It denotes the asset-item- type updating was Successful.	code : 1 Sescription : It denotes the API Call has Failed due to some Error.

o **DELETE**

Endpoint N	Method	Sample Request	Sample Response	Success Code	Error Code
item-type (or)	PATCH	{ "sort_key": "mouse:ibali:5415", "modified_by": "Admin" }	{ "code": 0. "message": "Deleted Asset Item Type Successfully", "deleted_data": { "model": 3415", "partition.key": "asset_item_type", "created_by": "Admin[2021-05-18-09:24", "sort.key": "mouse*iballi5415", "is_active": false, "modified_by!": "Admin[2021-05-18-09:26", "asset_type_name": "Mouse", "description": "This is a sample description for iBall Mouse", "make": "Ball" }	1. code : 0 2. Description : It denotes the asset-item-type deleting was Successful.	code: 1 Coescription: It denotes the API Call has Failed due to some Error.

3. Asset Item

o ADD

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset-item	POST	asset_type": "monitor", "asset_tategony": 'employee", "quantily": 1, "make": "LG", "model": "G-Curve", "asset_tategony_name": "Monitor", "asset_tategony_name": "Employee Equipment", "can_assign": true, "asset_status": "in_stock", "created_by: "Admin", "purchased_atel: "3/20/2021", "warranty_status": "3/20/2022", "watchguard_asset_tag": "WG102", "serial_number": "4654654", "serive_code: "SR74865", "ssignee": "Luke Dimmer", "issue_date": "\$/12/2021", "issue_tates": "Issued for Malware Analysis Projects" }	{ "code": 0, "message": "Added Asset Item Successfully", "added_data": [{ partition_key": "list_item", sort_key": "employeemonitortruewq_2021051829_Moni_60554", "asset_id": "wg_2021051829_Moni_60554", "asset_id": "yg_2021051829_Moni_60554", "asset_id": "monitor; "asset_type_name": "Monitor', "asset_type_name": "Monitor', "asset_totypery_name": "Employee Equipment", "make": "LG", "model": "G-Curve", "asset_status": "in_stock", "can_assign": true, "is_active": "in_stock", "created_by": "Admin 2021-05-18_09:29", "modified_by": "Admin 2021-05-18_09:29", } }	code: 0 Description: It denotes <u>updation</u> was Successful.	1. code: 1 2. Description: It denotes the API Call has Failed due to some Error. The API Call has Failed due to some Error.

o FETCH



o **UPDATE**

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset-item	рцт	["asset_id": "wg_2021051834_Serv_35732", 'data'; 'data'; 'watchquard_asset_tag': "WG101", 'serial_number': "66346745; 'service_tag': "\$874865', 'location': "Noida_Office_Cabin_238", 'issue_tare", '\$7922021", 'issue_remark: "Issued for Server test", 'modified_by":"Admin" }	{ "code": 0, "message": "Updated Asset Item Successfully", "updated data": { "model": 'Sg_444", "asset_category_name": "Office Equipment", "can assign": false, "partition, key": "list, Item", "created_byr: "Admin 2021-05-18 09:34", "sort_key": "office-servectrue-wq_2021051834_Sevr_35732", "modified_byr: "Admin 2021-05-18 09:39", "asset_id": wg_2021051834_Sevr_35732", "maker": Cisco", "asset_status": "in_use", "asset_status": "in_use", "asset_type": "Server", "asset_type": "Server", "asset_type": "Server", "asset_type, name": "Server", "asset_type, name,	code: 0 Description: It denotes <u>updation</u> was Successful.	1, code : 1 2. Description : It denotes the API Call has Failed due to some Error.

o **DELETE**

Endpoint	Method	Sample Request	Sample Response	Success Code	Error Code
/asset-item	DELETE	{ "asset_id": "wg_2021051834_Serv_61335", "modified_by":"Admin" }	{ "code": 0, "message": "Deleted Asset Item Successfully", "deleted_data": { "partition_key": "list_item", "sort_key":	code: 0 Description: It denotes the delete was Successful.	code: 1 Description: It denotes the API Call has Failed due to some Error.
(or)			"office:server.false.wg_2021051834_ <u>Serv_</u> 61335", "asset_id": " <u>wg_2021051834_Serv_</u> 61335", "asset_type": "server",		
/asset- item/delete	POST		"asset_category", "office", "asset_type_name", "Server", "asset_tategory_name"; "Office Equipment", "make", "Cisco", "model", "SG-454", "asset_status," in, stock', "can_assign", false, "created_by", "Admini2021-05-18 09:34", "modified by", "Admini2021-05-18 09:34",		
			"is_active": false }		

4. User

o SIGN-UP



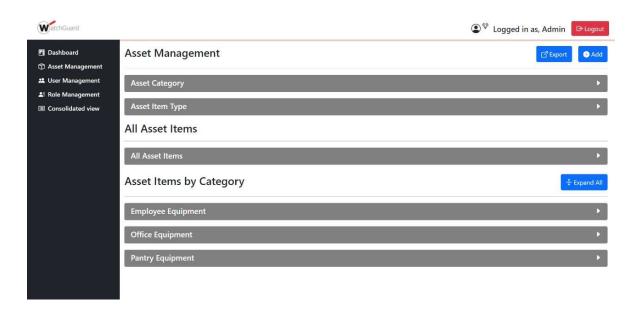
o SET-PASSWORD

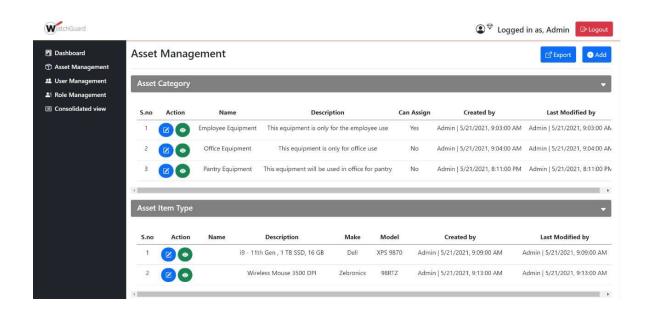
Endpoint	Method	Sample Request	Sample Response	Success Codes	Error Codes
/password	POST	{ "email": "test@gmail.com", "new_password": "test" }	{ "code": 0, "message": "User password changed successfully" }	code : 0 Description : It denotes that the change in password was successful	code: 1 Description: It denotes the API Call has Failed due to some Error

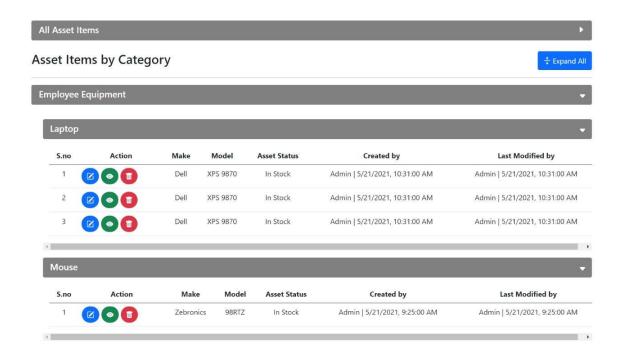
o SIGN-IN

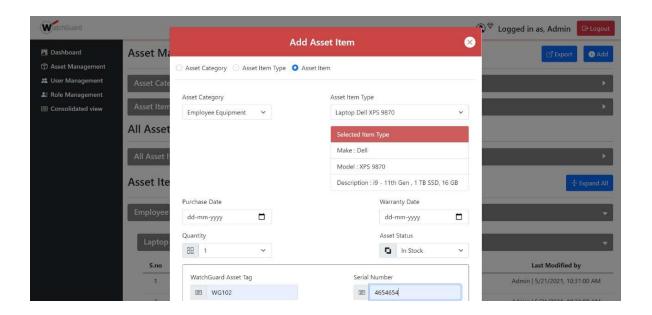


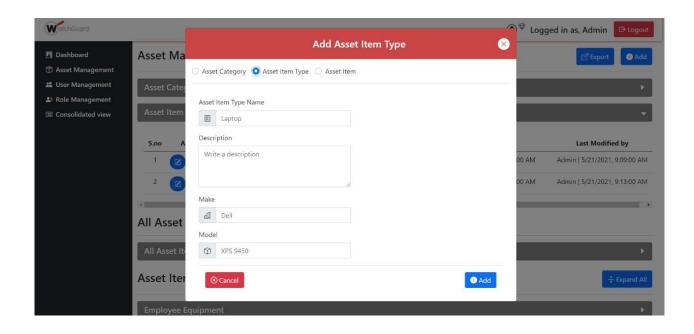
• UI Designs

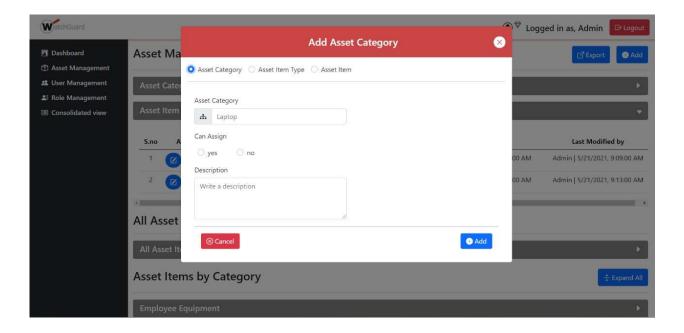












Chapter - 4

RESULTS AND CONCLUSION

This internship gave me a clear picture of how working in real world looks like, it has increased my knowledge to a great extent. In addition to the technical knowledge I gained, I also learned what are the problems we face in day-to-day life when we work on any project and how we manage to solve those issues, what benefits we have while working in a team and how to balance between the different responsibilities we have.

By making this report on AWS and its services, I got to know about the need of this technology in today's world.

It is very important to manage such a huge amount of data that is prevailing around us and technologies such as AWS are the ones that are exceeding in doing so.

They remove the problems of big data and also tell the efficient ways to store, compute and analyze your client's data.

I also got to know about the various new terms and that one can have a great future and scope in this technology.

Working on AWS and gaining the hands-on experience on its working has been a very enriching journey for me.

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