



Network Infrastructure Diagram

Network Infrastructure Diagram

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Internal Use Only

Information Technology Division

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Revision Details

Version No.	Revision Date	Particulars	Approved by
1.0	5-Jan-2022	First Release of Document	Kadamjeet Jain
1.1	23- Feb -2022	Added more details to diagram	Kadamjeet Jain
1.2	7-March-2022	CDE/ Non CDE Demarkation done	Kadamjeet Jain

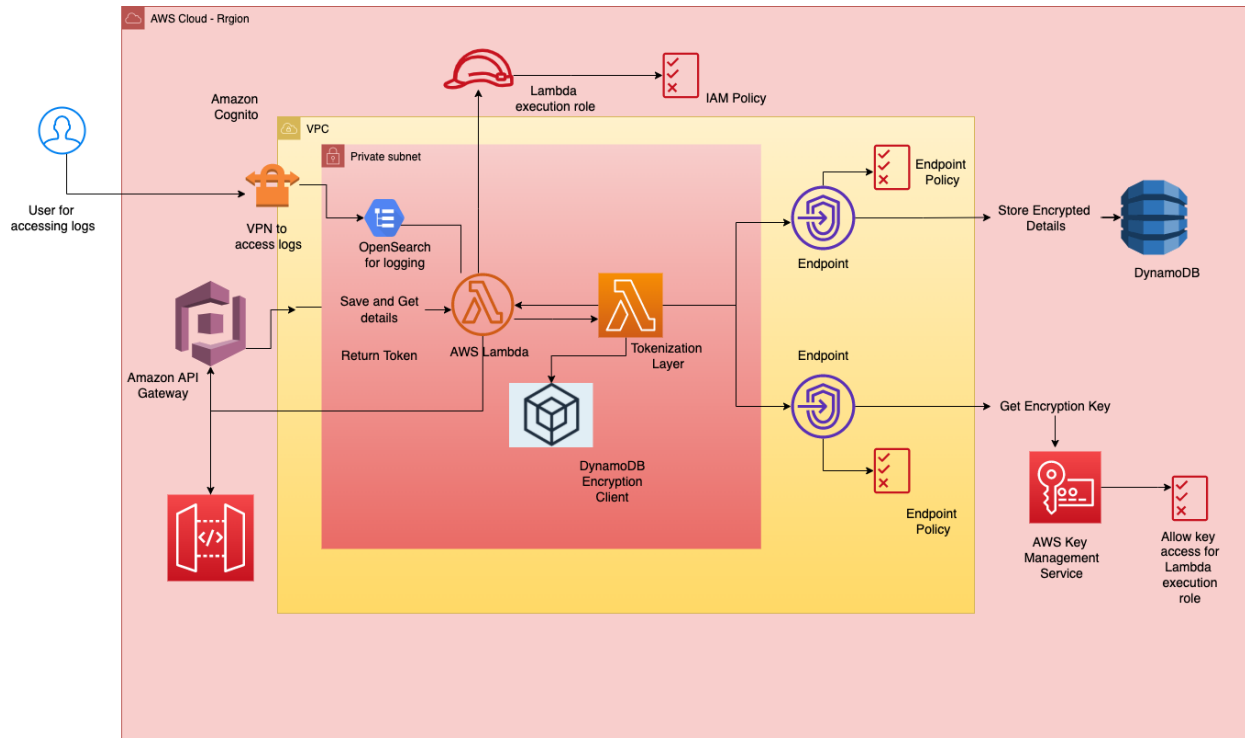
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Reviewer/ Custodian	Kadamjeet Jain	C0-Founder
Owner	ISSC	Information Security Steering Committee




Distribution List

Name
Need Based Circulation Only

Vault Architecture



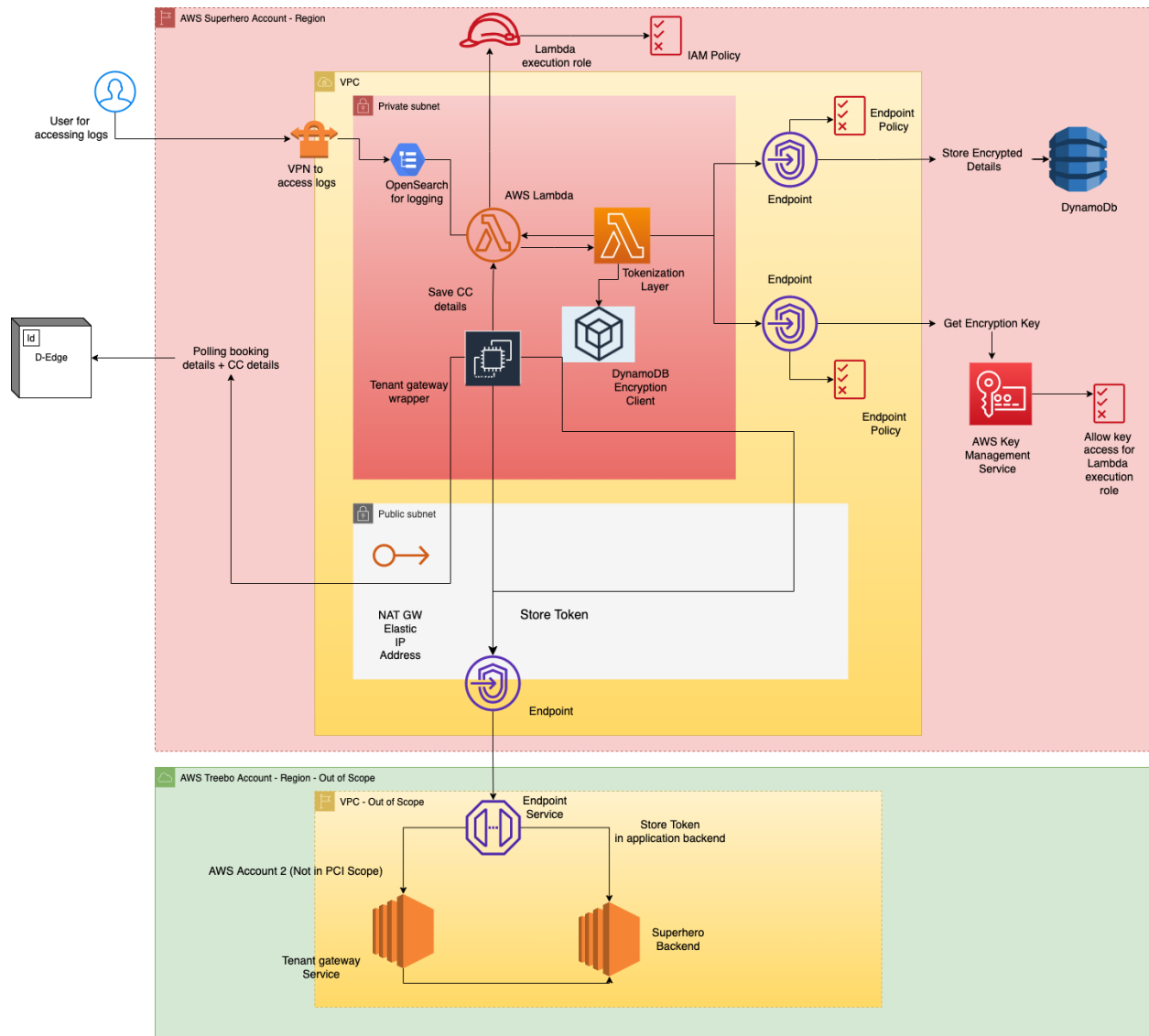
Color Scheme:

1. CDE - AWS account 
2. VPC 
3. Private Subnet (In Scope) 






We will use [AWS Key Management Service](#) to create and control the encryption keys. We will then create an AWS [managed master key](#) which will be used by [DynamoDB](#) client encryption library to encrypt the plain text.

Lambda Layer which contains encryption logic and dependent libraries. This Lambda Layer will be imported into Lambda Function which handles the request and response for our application. The application gets the sensitive data (for example, credit card information) from the end user, passes it to Lambda function that invokes the imported layer to exchange sensitive data with a unique token. This token is stored in the application database (**superhero backend**) and the sensitive data is stored by Lambda Layer in a separate database (**DynamoDB**) which can be **managed by the security team**. When required, the encrypted data can be decrypted by providing the token stored in the application database.

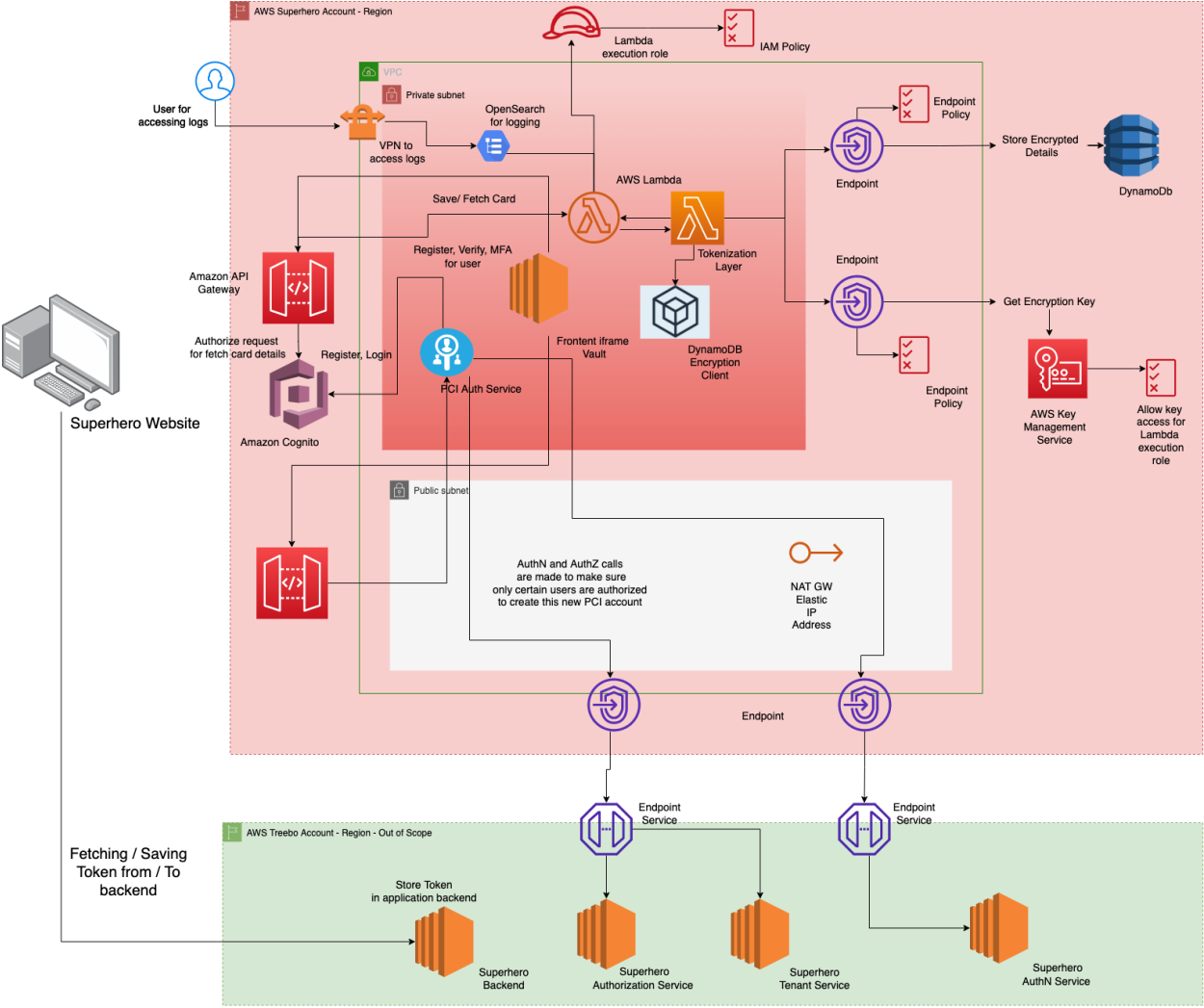
Saving Credit Card Details



Color Scheme:

1. CDE - AWS account 
2. Non CDE - AWS account 
3. VPC 
4. Private Subnet (In Scope) 
5. Public Subnet 

Saving / View Credit Card Details from Superhero Frontend



- Color Scheme:
1. CDE - AWS account
 2. Non CDE - AWS account
 3. VPC
 4. Private Subnet (In Scope)
 5. Public Subnet