Research

CoreThree – Technical Test

# Feeds:

|  |  |
| --- | --- |
| Input | [Requirements](Requirments.docx) |
| Output | <Analysis.docx> |

# Research

|  |  |
| --- | --- |
| Item | Notes |
| [Getting Started with AWS and MongoDb](https://aws.amazon.com/documentdb/getting-started/) | Setup a free AWS instance using Mongo Db |
| [Using AWS Lambda with Amazon S3](https://docs.aws.amazon.com/lambda/latest/dg/with-s3.html) | You can use Lambda to process event notifications from Amazon Simple Storage Service. Amazon S3 can send an event to a Lambda function when an object is created or deleted. You configure notification settings on a bucket. To invoke your function, Amazon S3 needs permission from the function's [resource-based policy](https://docs.aws.amazon.com/lambda/latest/dg/access-control-resource-based.html). When you configure an Amazon S3 trigger in the Lambda console, the console modifies the resource-based policy to allow Amazon S3 to invoke the function if the bucket name and account ID match. If you configure the notification in Amazon S3, you use the Lambda API to update the policy. You can also use the Lambda API to grant permission to another account, or restrict permission to a designated alias.  If your function uses the AWS SDK to manage Amazon S3 resources, it also needs Amazon S3 permissions in its [execution role](https://docs.aws.amazon.com/lambda/latest/dg/lambda-intro-execution-role.html). |
| [Create a web API with ASP.NET Core and MongoDB](https://learn.microsoft.com/en-us/aspnet/core/tutorials/first-mongo-app?view=aspnetcore-7.0&tabs=visual-studio) | Standard stuff with the Mongo specifics |
| [Download & Install MongoDB on Windows and Cloud](https://www.guru99.com/installation-configuration-mongodb.html) |  |
| [Setting up a Document Database](https://aws.amazon.com/getting-started/hands-on/getting-started-amazon-documentdb-with-aws-cloud9/) |  |

# Mongo Cloud Configuration

|  |  |
| --- | --- |
| Key | Value |
| My IP | 90.201.99.68/32 |
| Pwd | N\* |
| Deployment: | [**TERRY'S ORG - 2023-03-01**](https://cloud.mongodb.com/v2#/org/63ff0d3011faa12401c8509f)**>**[**PROJECT 0**](https://cloud.mongodb.com/v2/63ff0d3011faa12401c850a5) |

# AWS Cloud Configuration

|  |  |
| --- | --- |
| Key | Value |
| My IP |  |
| Email | [terry.watts.1@gmail.com](mailto:terry.watts.1@gmail.com) |
| AWS account name | TerryWatts |