

Database Automation in AWS with Python

This Database Automation in AWS with Python training covers how to manage an Amazon database efficiently by making full use of the automation capabilities AWS built in to its databases. This Database Automation in AWS with Python training shows administrators how to automate all the work needed to keep their databases running. With this training, your databases become more powerful, and you do less work.

[CBT Nuggets course material](#) →

WEEK 1

Managing Amazon DynamoDB with Python and Boto3 163 min.

Introduction to Amazon DynamoDB and Python Boto3 SDK	9
Configure Amazon DynamoDB and Python Boto3 Development Environment	12
Create an Amazon DynamoDB Table with Python	16
Enable Amazon DynamoDB Streams with Python Boto3	9
Create an Amazon DynamoDB Global Table with Python	7
Add Items to Amazon DynamoDB Table with Python	7
Restore Amazon DynamoDB Table with Point-in-time-Restore from Python	9
Scale Provisioned Throughput for Amazon DynamoDB Tables using Python	4

Managing Amazon Timestream Databases with Python and Boto3

Overview	1
Introduction to Amazon Timestream and Python Boto3	13
Configure Python Development Tools for Amazon Timestream	14
Create Amazon Timestream Database and Tables with Python	14
Ingest Data into Amazon Timestream with Telegraf Agent	13
Visualize Data from Amazon Timestream in Grafana	14
Write Custom Data Into Amazon Timestream with Python	15

WEEK 2

Automate Scaling Using AWS Aurora Serverless with Python and Boto3 157 min.

Overview	1
Introduction to Amazon Aurora Serverless	9
Create Amazon Aurora Serverless Cluster with Python	15
Monitor Amazon Aurora Serverless with CloudWatch	9
Prepare Aurora Database for Load Testing with Sysbench	9
Load Test Amazon Aurora Serverless Database	12