## S8: Intergrations of aws services 18 Tháng Mười Hai 2020 4:42 CH IoTIoT Topic IoT Rules **IoT Rules Actions** DynamoDB + many others AWS Lambda Kinesis Data Streams Firehose AWS Lambda Kinesis Producer Library (KPL) Kinesis Consumer Library **Amazon Kinesis Amazon Kinesis** Streams Kinesis Agent & kafka Kinesis Connector Library **Data**Cumulus / Sundog Kinesis Data Firehose Amazon S3 Kinesis Producer Library (KPL) Lambda function Kinesis Agent Redshift Kinesis Data Streams ElasticSearch Amazon Kinesis CloudWatch Logs & Events Data Firehose splunk> IoT rules actions splunk> Support v & Products - Solutions - Why Splunk? - Resources -Free Splunk The VPN Health by Region **Active Connections** Data-to-1,065 **13,450** ↑24 **Everything™ Platform** 8 1 Drive outcomes across Security, IT and DevOps with the data platform built for the cloud. Watch the Video 💿 Kinesis Data Analytics **Kinesis Data Analytics** Kinesis Data Streams Kinesis Data Streams Kinesis Data Firehose Kinesis Data Firehose AWS Lambda Function Reference Data (JSON, CSV) in S3 AWS Lambda Record pre-processing SQS SQS SDK-based application EC2, ECS, etc... SDK-based application EC2, ECS, etc... IoT Core (Rules Engine) **AWS Lambda Function** S3 events (new files) **S**3 Data Pipeline Snowball Snowball Edge IoT Core AWS Lambda Firehose AWS DMS SQS Queue **SNS Topic** S3 bucket Redshift **EMR** Athena Glue DynamoDB AWS Data Pipeline AWS Lambda Function Kinesis Client Library DynamoDB Streams Client SDK DynamoDB EMR (Hive) **Database Migration Service** (DMS) Glue Glue **Redshift Spectrum** Glue Data Catalog Sources Athena ${\sf DynamoDB}$ 國 EMR + Hive **Glue Crawlers** Amazon S3 JDBC (ex: RDS) Glue **EMR** presto. Glue Data Catalog Amazon S3 / EMRFS DynamoDB pache Ranger on EC2 Amazon Machine Learning (ML) (deprecated) Amazon S3 **Predictions API** Redshift Amazon ML Amazon SageMaker Amazon S3 Deploy model Amazon SageMaker TensorFlow OPyTorch mxnet AWS Data Pipeline Amazon S3 JDBC (ex: RDS) EMR / Hive Data Pipeline DynamoDB ElasticSearch Service elasticsearch Kinesis Data Firehose **k**ibana IoT Core AWS ElasticSearch Service logstash CloudWatch Logs IAM Cognito Athena Quicksight Amazon S3 Amazon S3 Glue Data Catalog Athena Redshift Quicksight COPY / LOAD / UNLOAD Amazon S3 Redshift Spectrum Redshift **DBLINK PostgreSQL** Quicksight

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RDS / JDBC

Redshift

Athena

Amazon S3