Central Logging and Analytics in Hybrid Environments

Build a central logging and analytics solution to analyze Amazon CloudWatch logs from a hybrid environment, including VMware Cloud on AWS.

1. Install Amazon CloudWatch agent on VMs on-premises.
2. The CloudWatch metric and logs were sent to Customer Central logging VPC via AWS Direct Connect and AWS Transit Gateway.
3. The CloudWatch data connected from VMware Cloud on AWS sent to CloudWatch endpoint in customer owned VPC via elastic network interface.
4. Export log data from your log group to load onto other systems such as ISV solutions.
5. Create a subscription to deliver logs from a specific CloudWatch log group to Amazon Kinesis Data Firehose in the logging account destination.
6. Use Amazon Kinesis Data Firehose to continuously stream the log data to Amazon Elasticsearch Service.
7. Use Amazon Kinesis Data Firehose to deliver log data to the Amazon Simple Storage Service (Amazon S3) bucket.
8. Use AWS Glue to build the Data Catalog and to create the ETL jobs for data processing.
9. Athena uses the AWS Glue Data Catalog to perform discovery and query against the data in Amazon S3.
10. Amazon Redshift reads and loads data from multiple data files stored in Amazon S3 buckets.
11. Build visualizations and dashboards using Amazon QuickSight with Amazon Athena and Amazon Redshift.