|  |  |  |  |
| --- | --- | --- | --- |
| Testo di partenza | Testo tradotto dal candidato | Spazio a disposizione del correttore | Penalità |
| The AWS IoT Greengrass Core software provides the following functionality: |  |  |  |
| * Allows deployment and execution of local applications that are created by using AWS Lambda functions and managed through the deployment API. * Enables local messaging between devices over a secure network by using a managed subscription scheme through the MQTT protocol. * Ensures secure connections between devices and the cloud using device authentication and authorization. * Provides secure, over-the-air software updates of user-defined AWS Lambda functions. * Deploys machine learning models optimized to run on AWS IoT Greengrass using Greengrass ML inference. |  |  |  |
| **Prerequisites**  In this post, we recommend that you install the following software on EC2 instances in the same VPC.   * Install KEPServerEX from the [Kepware website](https://www.kepware.com/en-us/products/kepserverex/) on a Windows Amazon EC2 instance. For the Kepware IoT gateway to run, the server requires a working 32-bit JRE. You can download and install the current JRE from [here](https://java.com/en/download/). |  |  |  |
| * Follow the instructions in the AWS IoT Greengrass Developer Guide to install AWS IoT Greengrass Core software on Linux or Rasberry Pi:   + [Module 1: Environment Setup for AWS IoT Greengrass](https://docs.aws.amazon.com/greengrass/latest/developerguide/module1.html)   + [Module 2: Installing the AWS IoT Greengrass Core Software](https://docs.aws.amazon.com/greengrass/latest/developerguide/module2.html) |  |  |  |
| * KEPServerEX supports OPC UA and MQTT (stock implementation). We use MQTT messages to communicate with AWS IoT Greengrass. * Make sure that KEPServerEX and the AWS IoT Greengrass Core software are running on the same network. * Follow the instructions in the [AWS CLI documentation](https://aws.amazon.com/cli/) to install the AWS CLI on your personal computer, and then configure it with your AWS access key and secret key. |  |  |  |
| **Getting started**  You should now have the AWS IoT Greengrass Core software running on a gateway. If you followed the steps in the Getting Started modules, you should also have a Greengrass group (for example, *MyFirstGroup*) with one core device (for example, *MyFirstGroup\_Core*) configured. The core device should be able to communicate with AWS IoT Core. |  |  |  |
| The resources you create in these procedures should be created in the same AWS Region.   1. Open the [AWS IoT console](https://console.aws.amazon.com/iot/home) and choose **Greengrass**, **Groups**, **MyFirstGroup**, and then **Cores**, you should see your core device: 2. Choose your core device, and in the left pane, choose **Connectivity**. Make a note of the endpoint address and port. |  |  |  |
| Create AWS IoT Devices in an AWS IoT Greengrass Group Now we add the KEPServerEx device to the AWS IoT Greengrass group.   1. In the [AWS IoT console](https://console.aws.amazon.com/iot/home), choose **Greengrass**, choose **Groups**, and then choose your group to open its configuration page. Next, choose **Devices**, and then choose **Add your first Device** (or **Add Device**). 2. Choose **Create New Device**. |  |  |  |
| Upload Document Name <font color=red>\*</font>  Drop Files Here  Create New Versions  You must be an account admin, supervisor or workflow manager to search on behalf of another user.  Your Username is not an administrator on the specified account.  Are you sure you want to delete this Document? |  |  |  |