JITR

Leveraging the hardware cryptography for AWS Just In Time Registration

🛈 Description:

This demo is presenting the utilization of the hardware crypto element (Microchip ECC508A) to **securely** store the **private keys** and **authentication certificate**. The private key is internally generated in the crypto element and is **never** exposed to the external world.

Moreover, **AWS JITR** feature is presented. When the device is first powered on, it's certificate gets registered in the AWS. In addition to that, the **AWS Lambda** function creates a new **IoT** thing connected to this certificate.

The JITR process in conjunction with the usage of the crypto element allows to seamlessly establish trusted relation between the brand new device and the AWS IoT.

⚙ Elements:

- Vitro Crystal board
- Linux PC with access to the Vitro AWS DEV infrastructure

Visit vitro.io for more details.