We present a security framework on which any unauthorized communications to IoT devices or endpoints in infrastructures are enforced shutdown. Our customers can enforce access control over communications to/from their IoT systems by using our hosted policy administration points. The administration is simple and easy by attribute based access control policies.

**Features**

- Mandatory Access Control for communications among IoT devices or distributed applications by hosted policy administration point services
- White-list based access control
- High compatibility with existing applications by using TLS as the cryptographic interface
- No direct connections required among target IoT systems and the policy administration point services.
- Automatic deployment of TLS client certificates to endpoints by encapsulation from advanced ID-based encryption.

**Application Scenarios**

- Adding IoT features such as data analytics to existing industry systems without changing network infrastructure
- Controlling connectivity to IoT systems from external devices and applications with managed policy administration point services.