

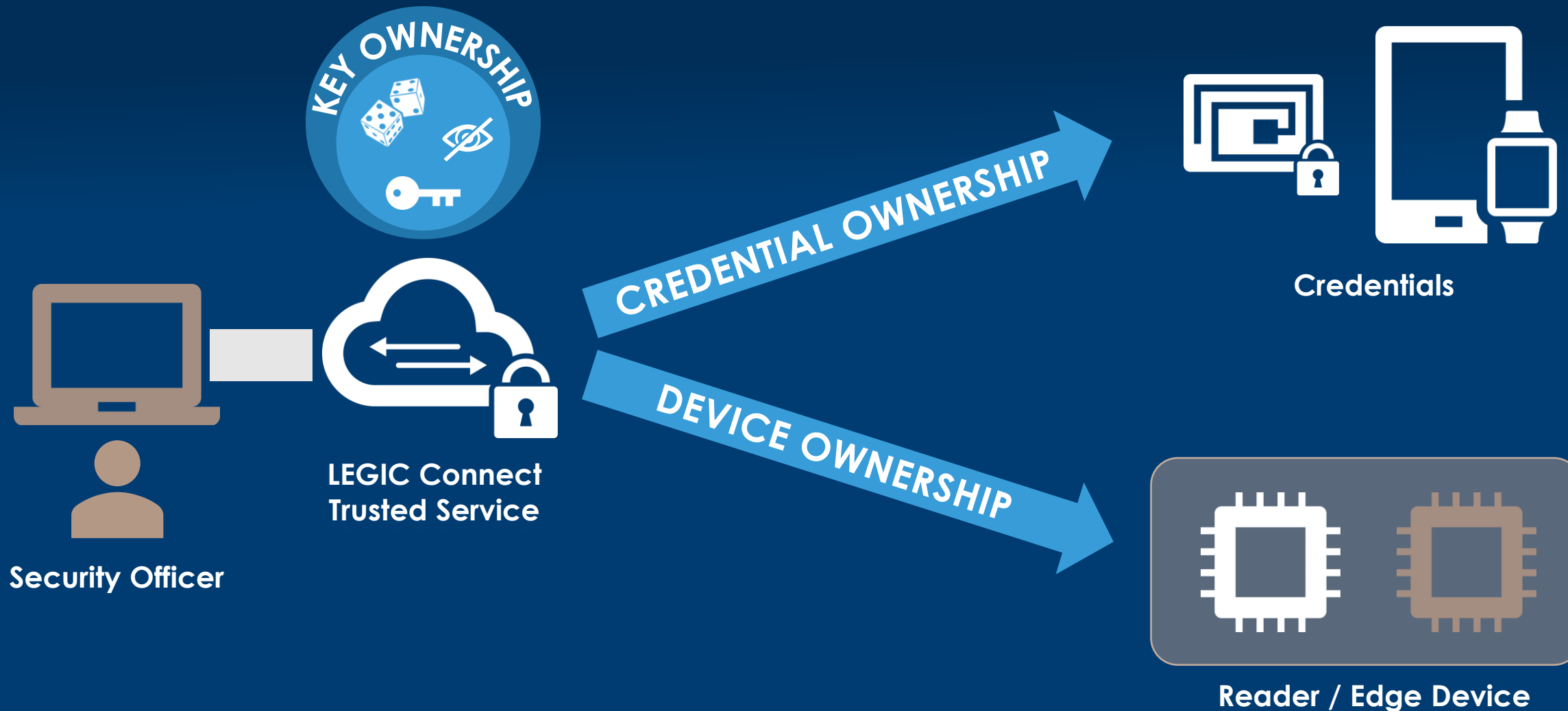
# LEGIC Orbit Configuration Standard

Martin Buck

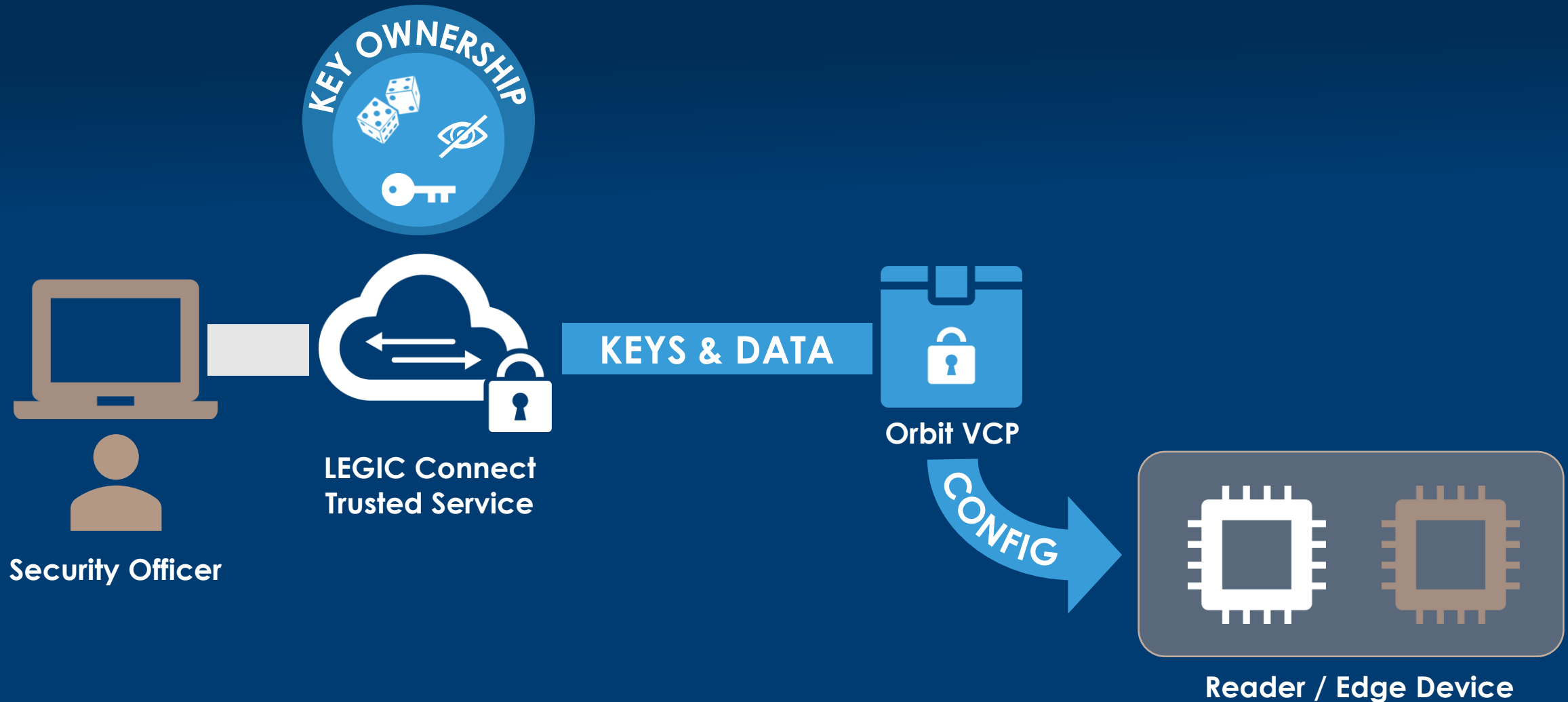
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# What is LEGIC Orbit?



# What means Device Ownership?



# What is the LEGIC Orbit VCP?

 Protected with AES256 VCP Key

 Randomly generated

 Never-visible

 Company-specific

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OPTIONS

 Restrict VCP to specific devices

 Password protection



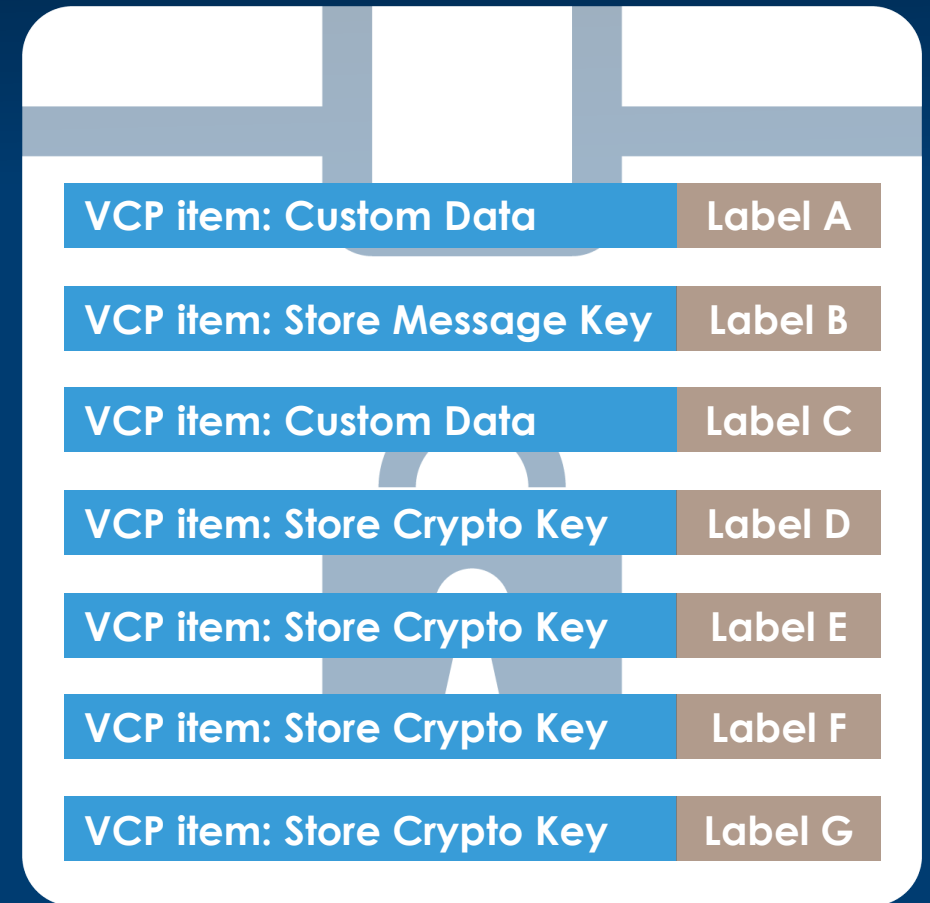
Versatile  
Configuration  
Package

-  Distribute never-visible cryptographic keys
-  Configure parameters (Project ID, Door ID, ...)
-  Download Custom Code for LEGIC Security Module
-  Download LEGIC OS
-  Coming soon: Download firmware for third-party microcontroller

# Why a Standard for LEGIC Orbit VCP?

- ✓ Flexible **combination of VCP items**
- ✓ Freely definable **labels**
- ✓ Freely definable **data**

**Standardization** required for  
**vendor-independent** VCP definitions



# The LEGIC Orbit Configuration Standard (LOCS)

## LOCS Part 1



Orbit VCP

Standardizes the  
Orbit VCP content

## LOCS Part 2



LC Message

Standardizes the sending of  
configuration events  
via LC messages

# Now Available

## LOCS Part 1



Orbit VCP

Standardizes the  
Orbit VCP content

Cryptographic  
keys

Credentialing  
parameters

## Credential types:

- ✓ Google Wallet LEGIC #1
- ✓ Apple Wallet LEGIC #1
- ✓ OSS-SO V1.1 LEGIC neon
- ✓ OSS-SID V1.0 LEGIC neon
- ✓ OSS-SO V1.1 MIFARE DESFire
- ✓ OSS-SID V1.0 MIFARE DESFire

# LEGIC Extranet

## LOCS Part 1 - Specification



LZ-12-301

## LOCS Part 1 - Declaration of Conformity



LZ-01-600



# Ownership Redefined



End customer can own the Orbit VCP



LEGIC Utility App as universal configuration tool



Freedom to choose devices from different vendors



Distribution of Orbit VCP via app or via customer backend



# Key Takeaway

- ✦ Security and convenience go hand in hand
- ✦ LOCS for plug and play
- ✦ Ready to use

Thank you

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