Suprema G-SDK V1.1 New Features

Suprema Webinar

YJ JUNG
07.2020

Contents

1. G-SDK V1.0 Overview

2. G-SDK V1.1 New Features
    a. RS485 & Wiegand
    b. Master Gateway
    c. Client C++ SDK

3. G-SDK V1.1 vs BioStar 2 Device SDK

4. G-SDK V1.2 Upcoming Features

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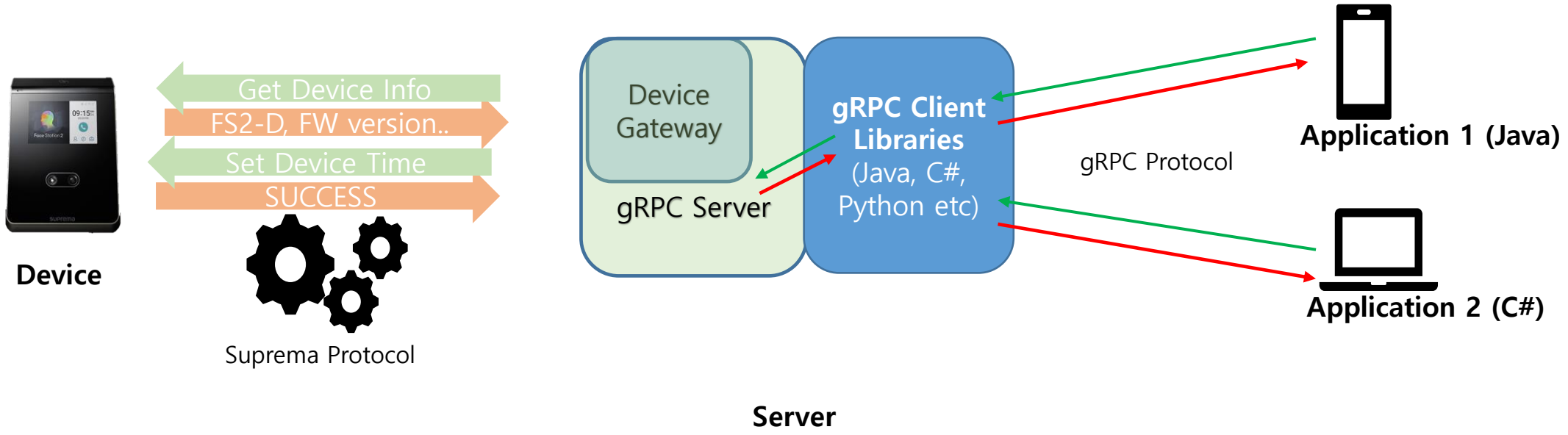
1. G-SDK V1.0 Overview

G-SDK V1.0 Overview



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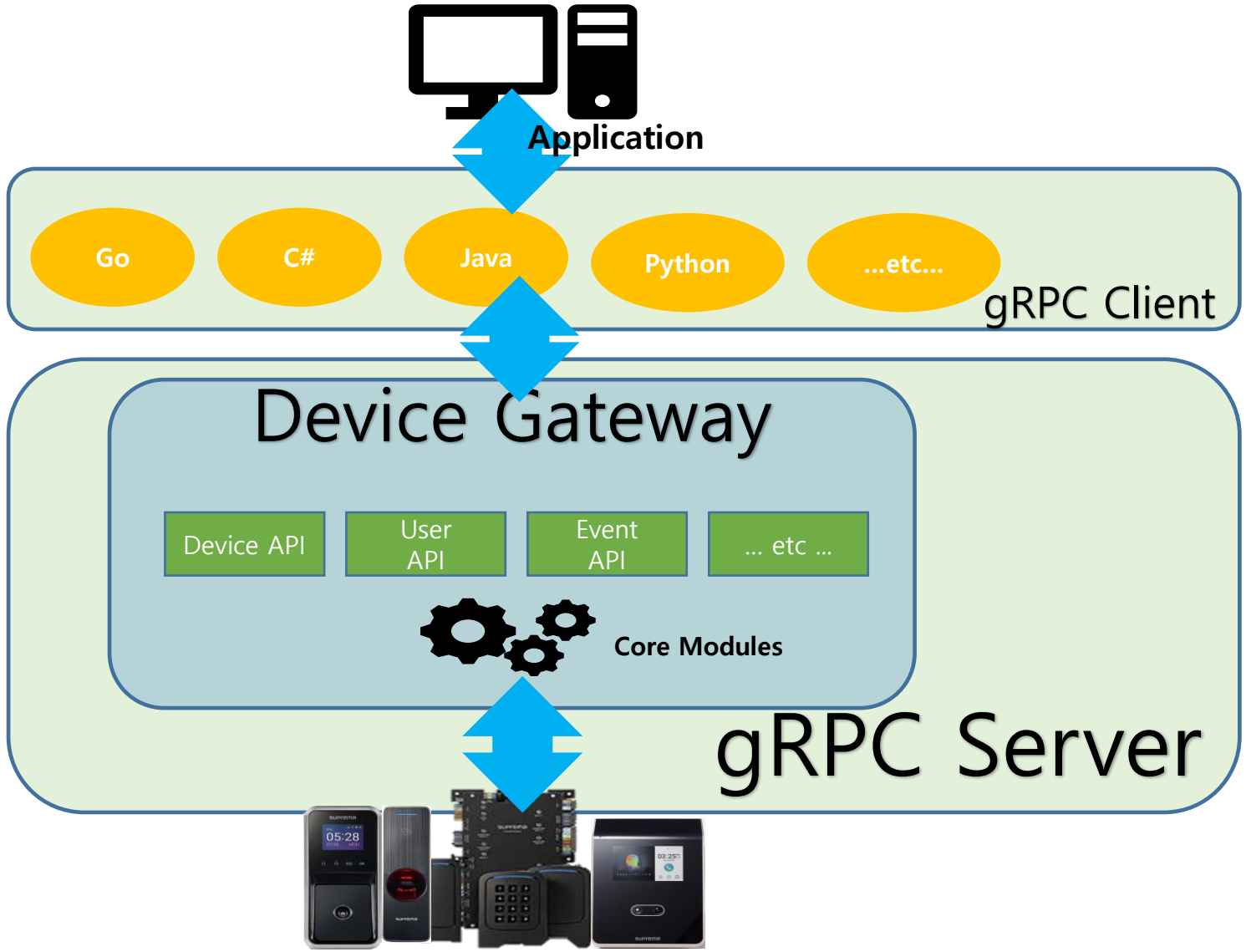
G-SDK V1.0 Overview



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2. G-SDK V1.1 New Features

G-SDK V1.1 New Features - RS485 & Wiegand

Device Gateway is starting to support Wiegand and RS485 configuration

V1.0	V1.1
• Event API • User API • Access API • …etc basic APIs are supported	• Event API • User API • Access API • …etc basic APIs are supported • **Wiegand API** • **RS485 API**

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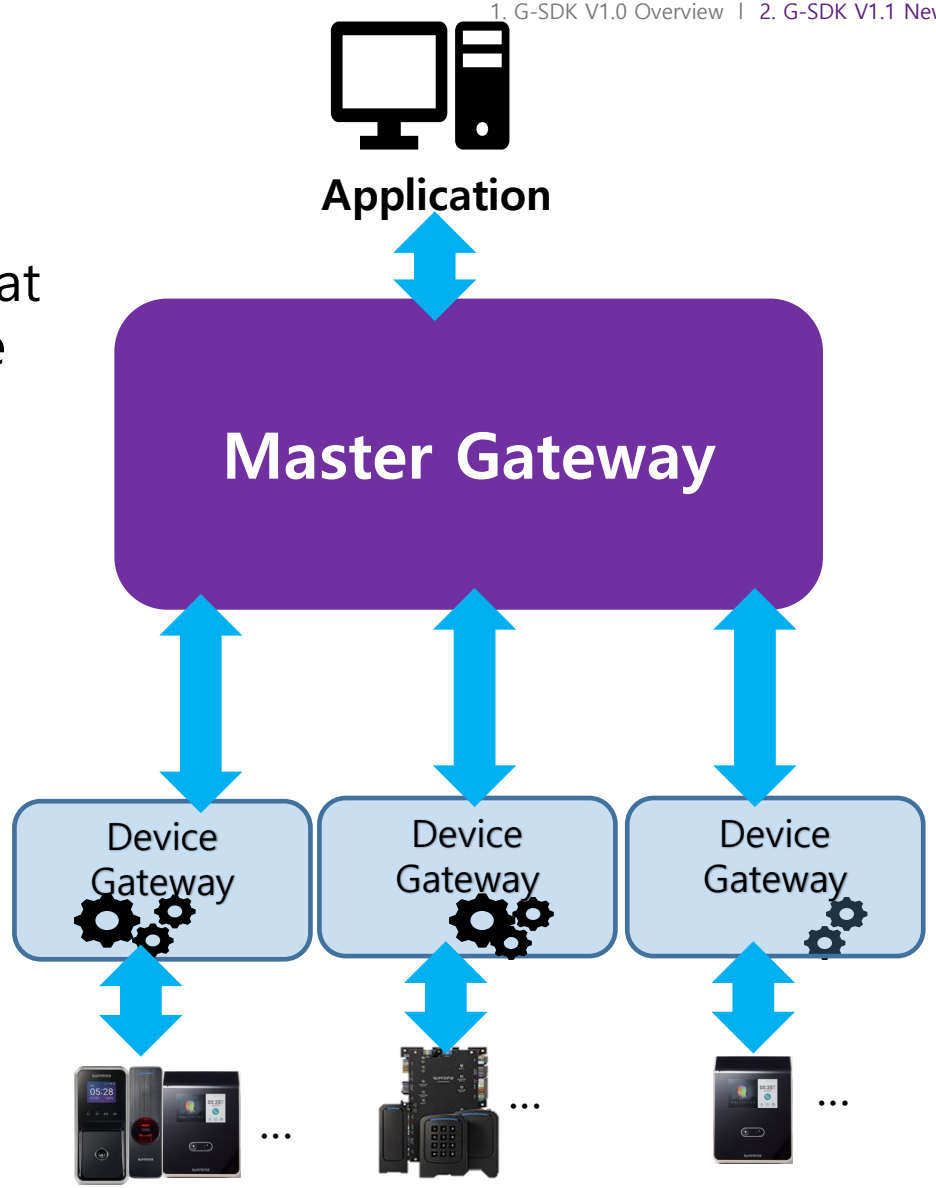
G-SDK V1.1 New Features - Master Gateway

Master Gateway?

The scalable solution that you can handle multiple Gateways



License is required

Up to 100,000 devices!

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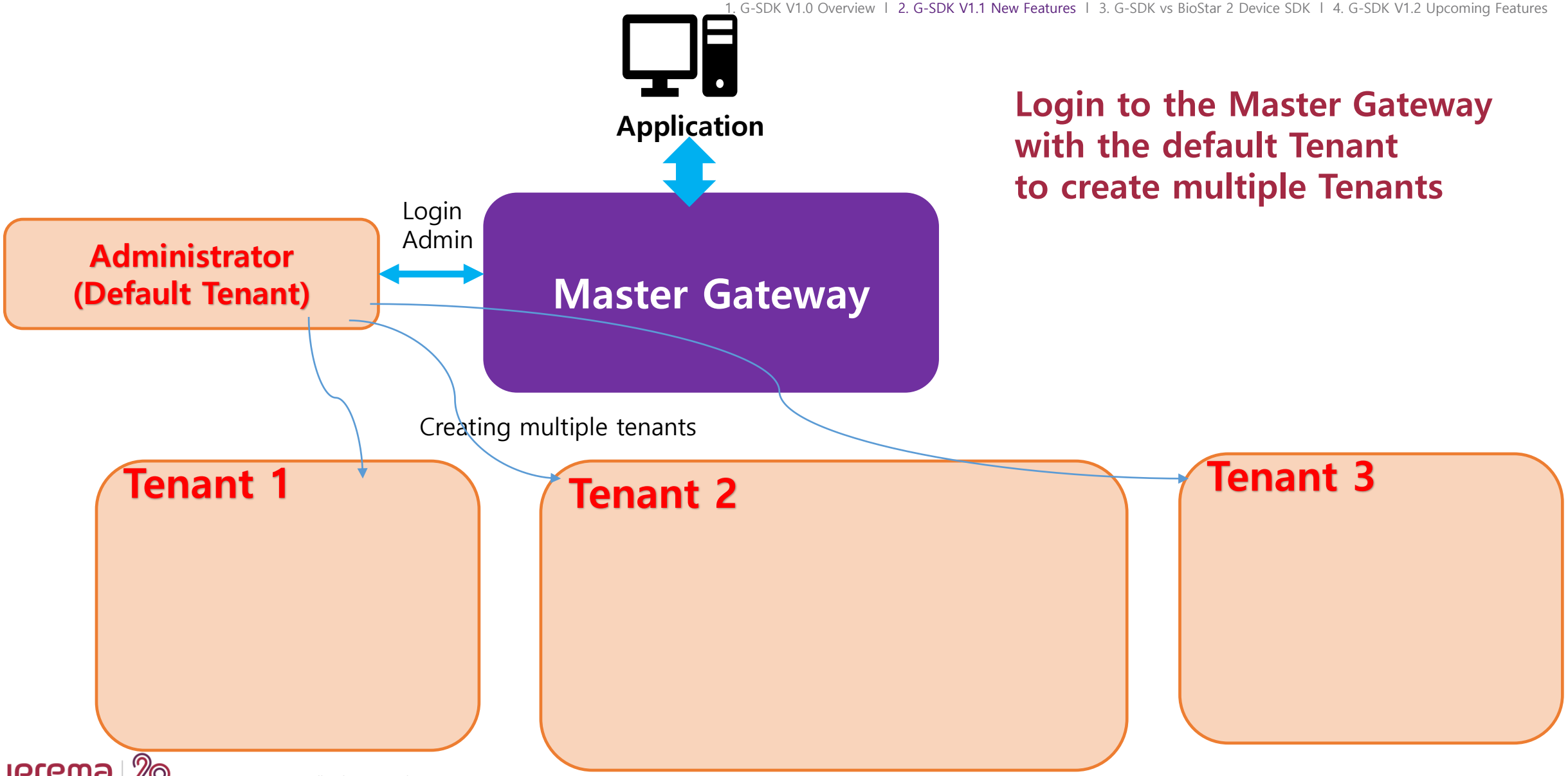
G-SDK V1.1 New Features - Master Gateway



Login to the Master Gateway with the default Tenant to create multiple Tenants

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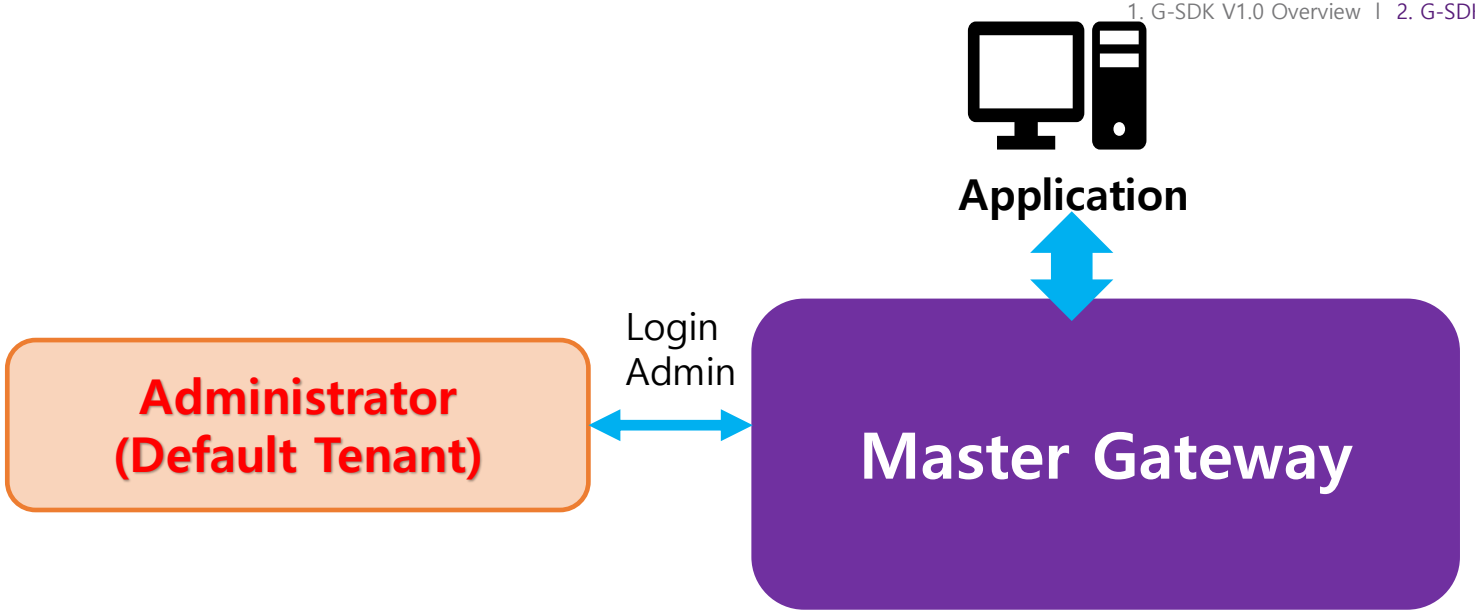
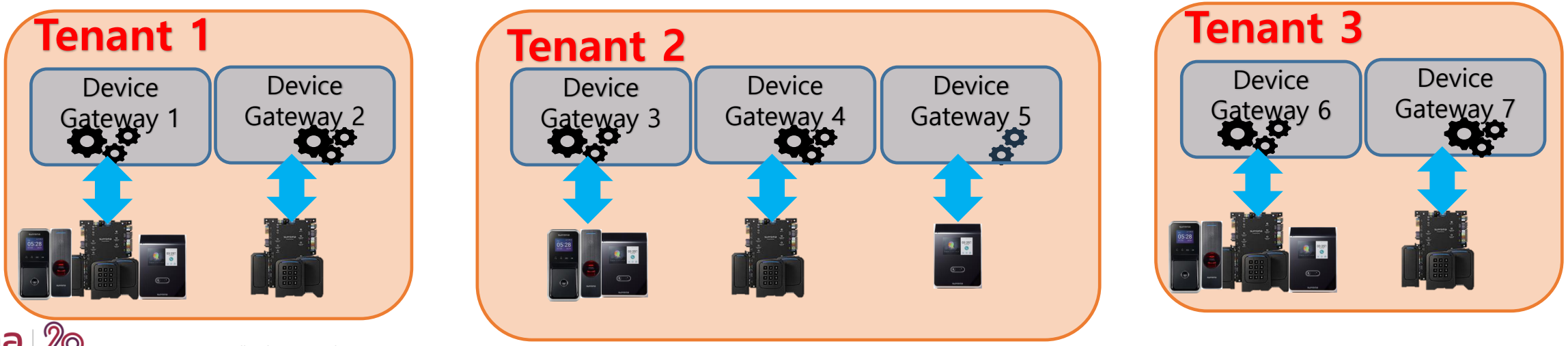
G-SDK V1.1 New Features - Master Gateway



Add Device Gateways to each Tenant



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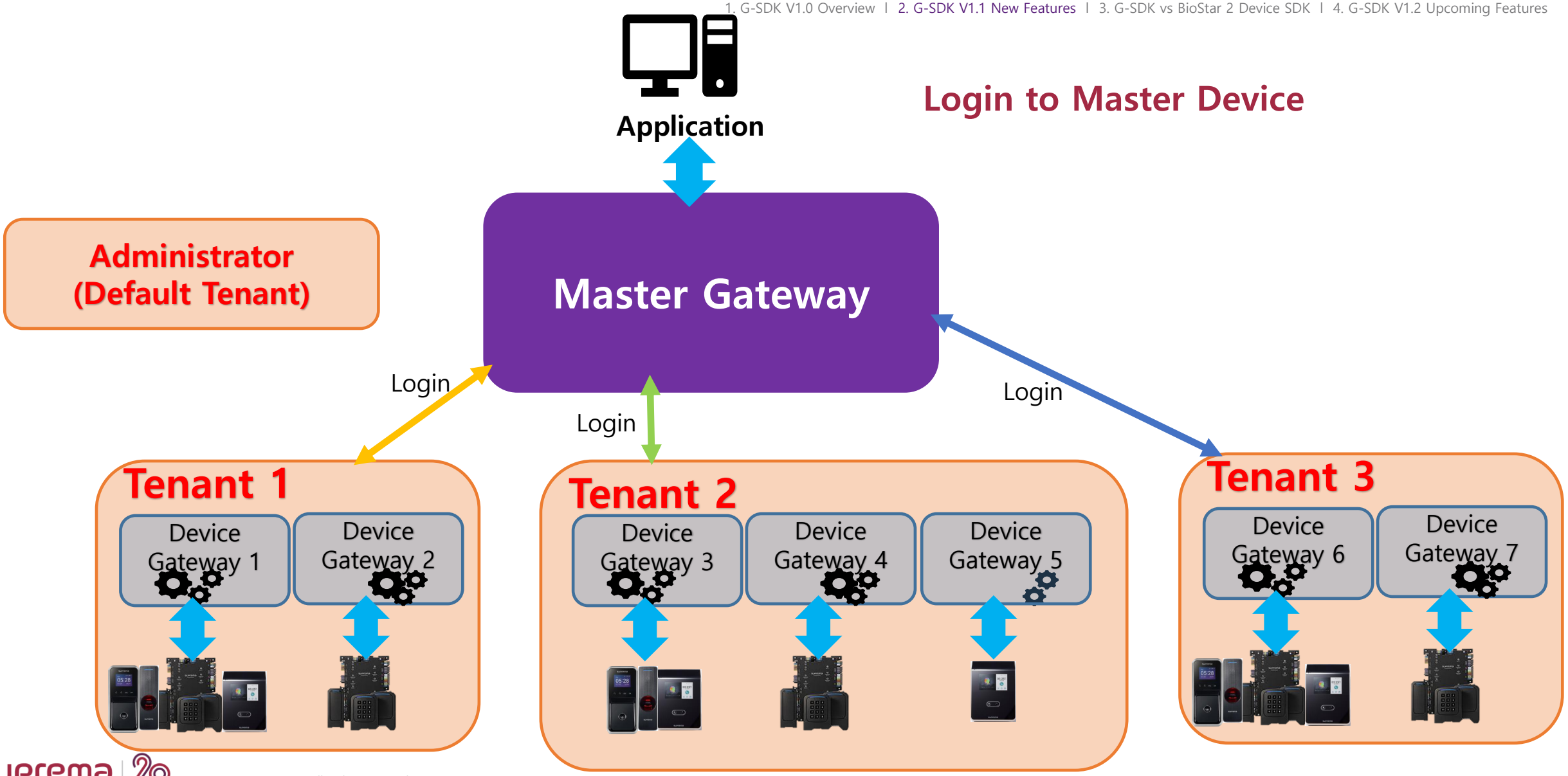
G-SDK V1.1 New Features - Master Gateway



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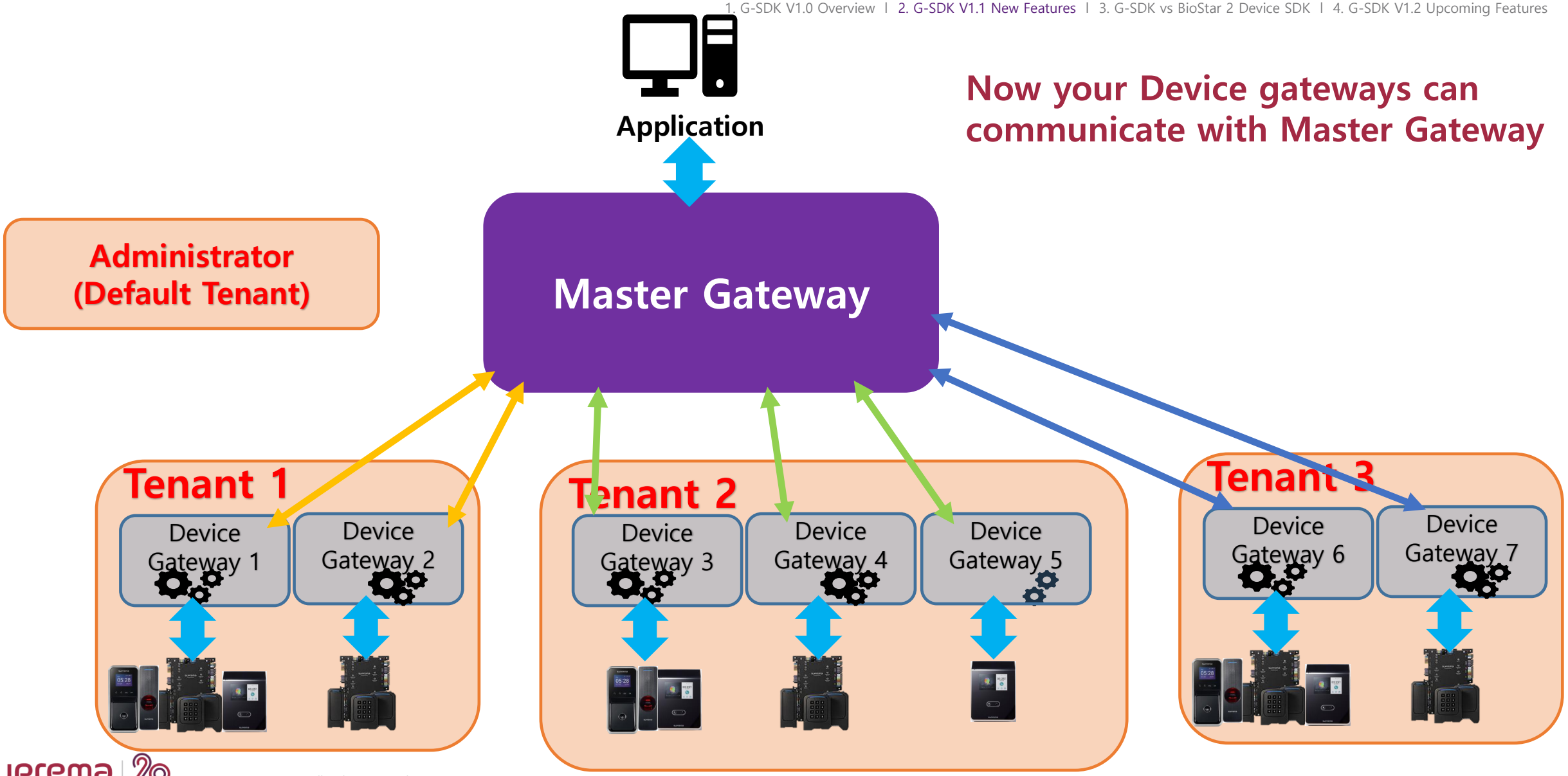
G-SDK V1.1 New Features - Master Gateway

Now your Device gateways can communicate with Master Gateway



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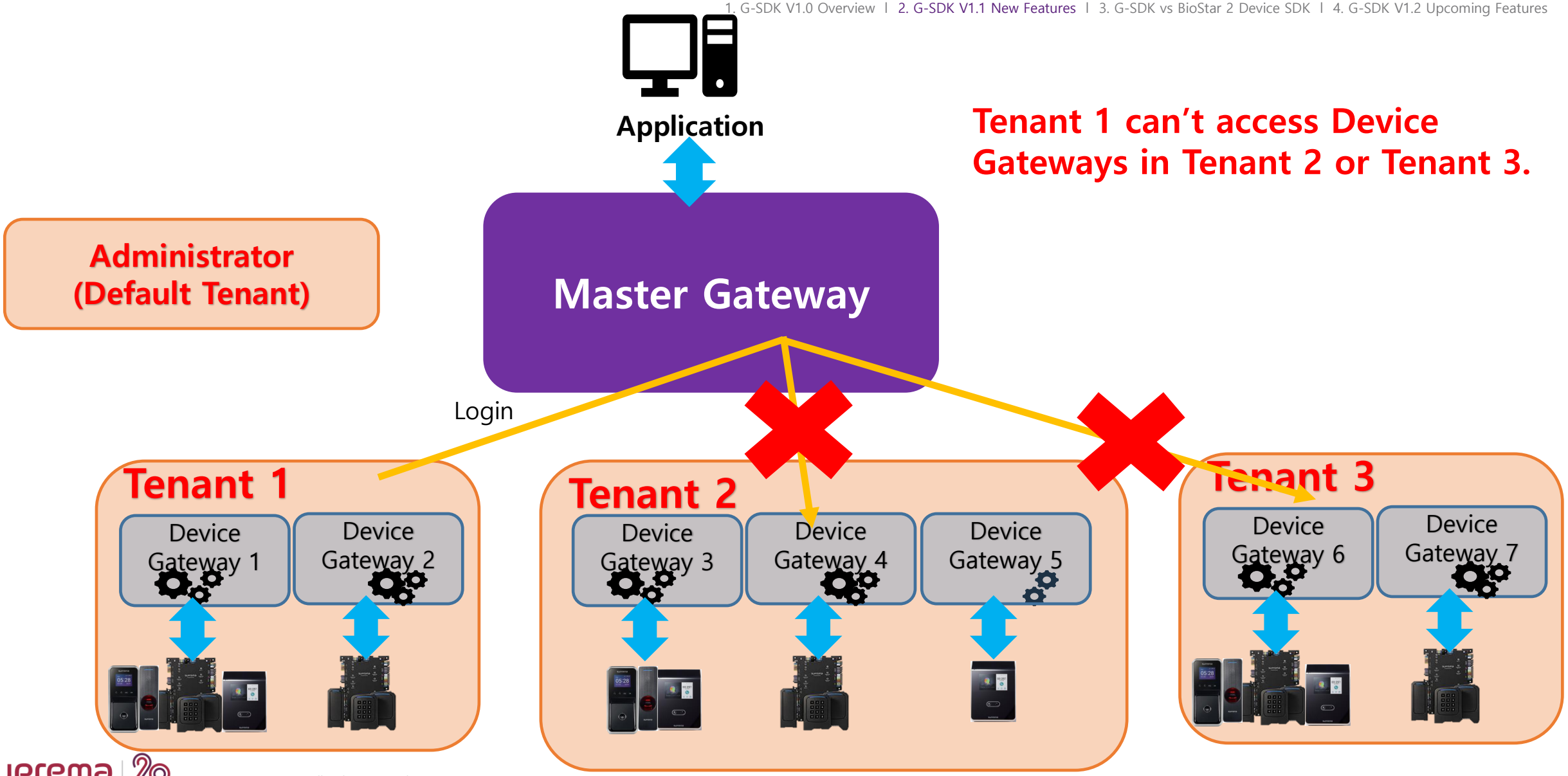
G-SDK V1.1 New Features - Master Gateway



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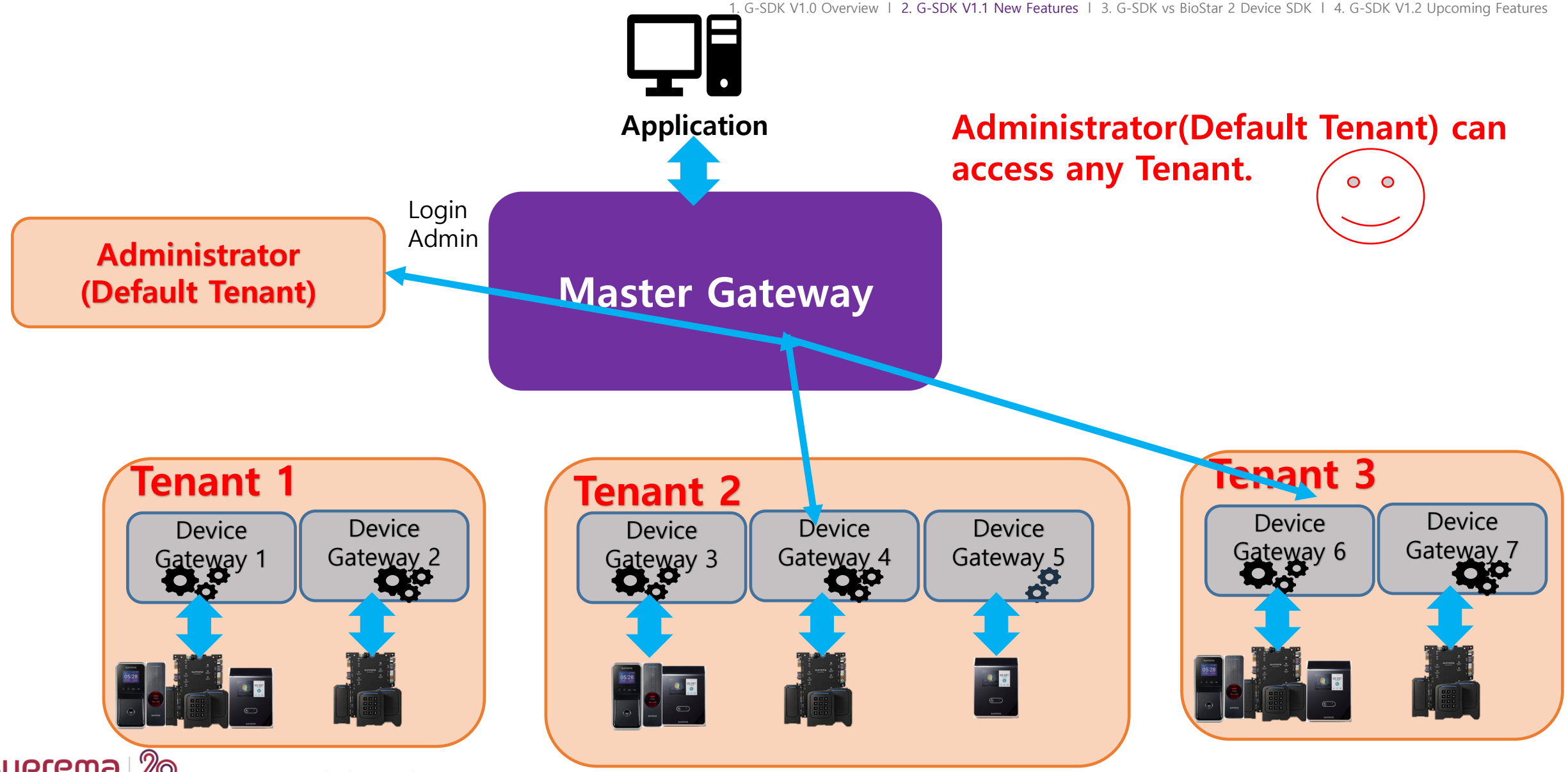
G-SDK V1.1 New Features - Master Gateway



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G-SDK V1.1 New Features - Master Gateway

Stronger Authentication

<table>
<tr><th>Device Gateway Alone</th><th colspan="2">With Master Gateway</th></tr>
<tr><td rowspan="2">• Ca_cert
• Ca_key
• Server_cert
• Server_key</td><td>Device Gateway</td><td>Master Gateway</td></tr>
<tr><td>• Ca_cert
• Ca_key
• Server_cert
• Server_key
• Master_ca_cert
• Gateway_cert
• Gateway_key</td><td>• Ca_cert
• Ca_key
• Server_cert
• Server_key
• Admin_cert
• Admin_key

Server Certificate

• Tenant_xxx_cert
• Tenant_xxx_key

Tenant Certificate

• Gateway_xxx_cert
• Gateway_xxx_key

Gateway Certificate</td></tr>
</table>

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G-SDK V1.1 New Features - Master Gateway

Comparison in API

API	Note	Device Gateway	Master Gateway
Connect	Manage devices directly	O	X
Connect Master	Manage devices via Device Gateways	X	O
Login	Login as an administrator or a Tenant	X	O
Tenant	Manage Tenants	X	O
Gateway	Manage Device Gateways	X	O

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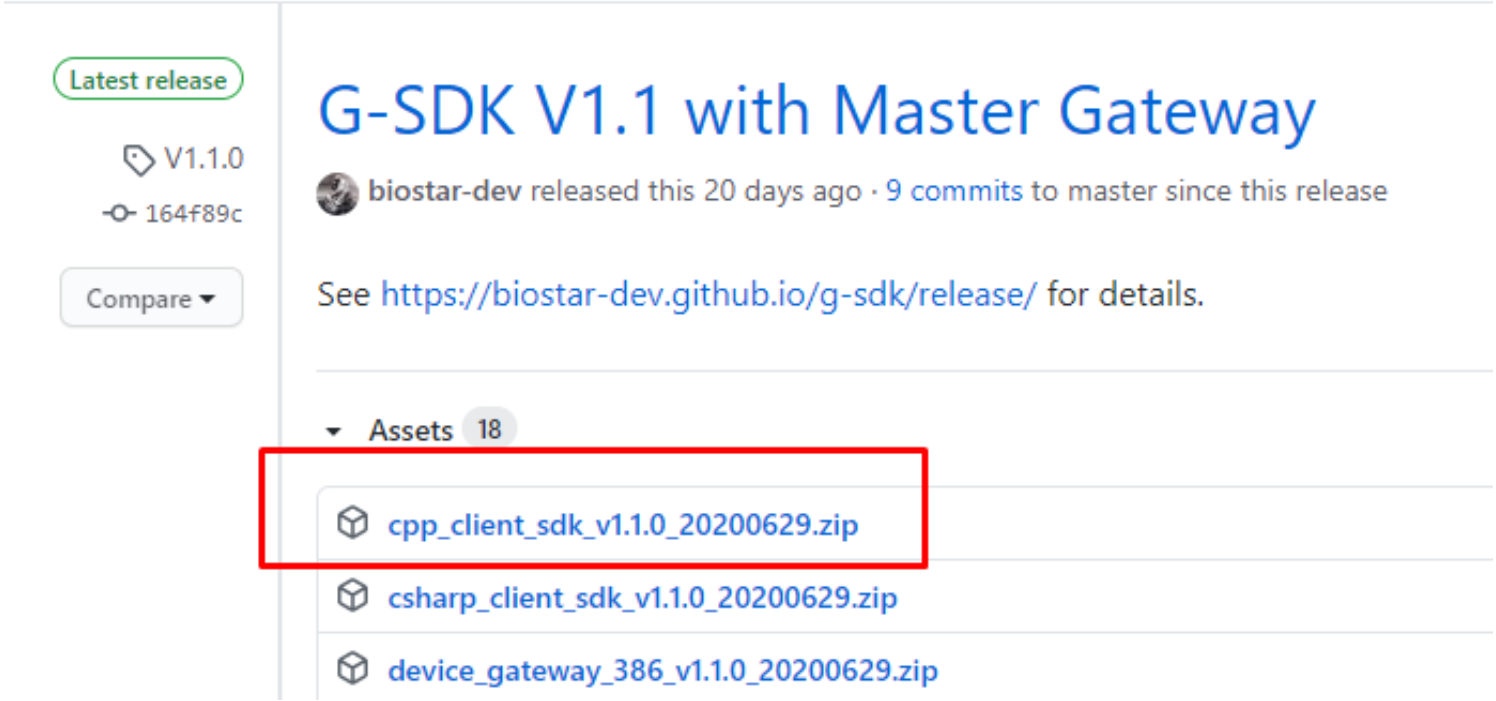
G-SDK V1.1 New Features - Client C++ SDK

C++ Client SDK Support



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3. G-SDK V1.1 vs Device SDK

G-SDK V1.1 vs Device SDK

	Suprema G-SDK	BioStar 2 Device SDK
Deployment	• Client libraries • Device Gateway • Master Gateway	• Shared library
Scalability	• Device Gateway – 1,000 devices • Master Gateway – 100,000 devices	• 1,000 deivces
Supported OS	• Windows • X86/Arm Linux • Mac OS	• Windows • X86 Linux
Supported Language	• C++, Java, Python, Go, Ruby, C#, Node.js, etc • C#, C++, Java, Python, GO, node samples	• C++ • C# sample
Supported Features	• Do not support Lift and Zone etc	• Most of features including Lift and Zon e etc

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4. G-SDK V1.2 Upcoming Features

G-SDK V1.2 Upcoming Features

What is upcoming features?

	Release Date	Key Features
V1.0	2020.3	• APIs except for advanced AC (Zone, Wiegand, RS485, etc.) • Device Gateway
V1.1	2020.6	• Master Gateway • RS485, Wiegand • Client C++ SDK
V1.2	**2020.10**	• **Same APIs as Device SDK (Lift API, Zone API)**

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Thank you!

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