Leonardo Cyber & Security Solutions

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Digital Security

Secure Cloud Management Platform

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Leonardo Cyber & Security Solutions

28 Oct 2025

08.00

Secure Cloud Management Platform

Firme

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Lista delle Revisioni

Rev.	Numero Modifiche	Data	Descrizione	Autore
01.00	-	24/01/2022	Prima emissione	D. Leone
02.00	DCN222372	29/07/2022	Integrazione Rilascio SCMP 2.0.0	D. Leone
03.00	DCN222981	20/12/2022	Integrazione Rilascio SCMP 3.0.0	D. Leone
04.00	DCN230550	30/06/2023	Integrazione Rilascio SCMP 4.0.0	D. Leone
05.00	DCN231199	22/12/2023	Integrazione Rilascio SCMP 5.0.0	D. Leone
06.00	DCN240480	28/07/2024	Integrazione Rilascio SCMP 6.0.0	D. Leone
07.00	DCN240891	20/12/2024	Integrazione Rilascio SCMP 7.0.0	D. Leone

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Super Project Documentation (EN)

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1 Developer Documentation

This section contains technical documentation for developers.

1.1 API Documentation

--8<-- "includes/developers/api.md"

1.2 Get Started

To start developing with our platform, follow these steps:

1. **Register** for an developer account
2. **Generate** your API keys
3. **Install** our SDKs
4. **Build** your first integration

1.3 SDKs and Libraries

We provide official SDKs for various programming languages:

- **JavaScript/Node.js** - npm install @platform/sdk
- **Python** - pip install platform-sdk
- **Java** - Maven dependency available
- **PHP** - Composer package available

1.4 Code Examples

1.4.1 Authentication Example

```
const Platform = require('@platform/sdk');

const client = new Platform({
  apiKey: 'your-api-key',
  environment: 'production'
});

// Authenticate the user
const user = await client.auth.login({
  username: 'user@example.com',
  password: 'password'
});
```

1.5 Support

For technical support:

- Consult our API documentation
- Visit our developer forum
- Contact support at developers@example.com

Okay, let's break down this document and organize it into a more structured, helpful format. I've identified key areas, grouped related information, and improved the clarity of the explanations.

Overall Structure:

The document is a series of linked documents covering various aspects of a cloud security solution. It’s essentially an "Overview of Key Components" – focusing on administration, security, and key features. I’ve divided it into sections based on topic.

1. Introduction & Overview

- **Purpose:** Briefly state the document’s goal – to guide users through the core administrative and security aspects of the system.
- **Target Audience:** Assume a general audience with varying levels of technical expertise.
- **Scope:** The document covers key components: Administration, SCMP (Service Provider), and Key Management.

2. Cloud Provider (SCMP) – Core Functionality

- **Overview:** Explain the purpose of the SCMP as the central point for managing cloud resources, providing a single point of control for multiple cloud providers.
- **Key Features:**
  - **Client Authentication:** Focuses on verifying user identities and permissions for accessing the SCMP.
  - **Resource Management:** The ability to list and manage cloud resources (VMs, Databases, etc.).
  - **Cost Tracking:** Monitoring cloud spending.
  - **Security Policies:** Defining and enforcing security standards.
- **Administration:**
  - **Configuration:** Highlight the configuration steps (adding providers, creating users, permissions)
  - **Monitoring:** Briefly explain monitoring capabilities.

3. Key Management (SCMP – Key Vault)

- **Overview:** Expand on the importance of managing keys (API keys, certificate keys, etc.) securely within the SCMP.
- **Key Components & Functions:**
  - **Key Management:** Highlight the ability to generate, import, and destroy keys.
  - **Key Rotation:** The process of rotating keys regularly.
  - **Key Policy:** Defining key policy rules to restrict access.

- **Key Validation:** Verification of the correctness of the key.

- **Security:**
- **Role-Based Access Control:** Describe the use of roles and permissions.
- **Audit trails:** Highlight the audit trail features.

4. Cloud Provider (SCMP) – Service Providers (Azure, Google, Oracle, VMware, Red Hat)

- **Overview:** Explain the structure of providers.
- **Key Considerations:**
  - **Service Provider Configuration:** How to configure a new provider.
  - **Provider settings:** List the configuration settings of a provider.

5. Service Provider (SCMP) – Details

- **Authentication:** Focus on authentication
- **Deployment:** Describe how to deploy a new provider.
- **Management:** Describe how to manage the SCMP.

6. Key Management (SCMP) – Detailed Information

- **Key Parameters** - Display a clear breakdown of all the parameters, including details, validation rules.
- **Data Export:**
  - **Data Export:** Description of the process and its benefits.
- **Data Volume:**
  - **Data Export:** Describe the process and its benefits.

7. Backup & Recovery (SCMP – Key Vault)

- **Overview:** Explain the critical role of backup and recovery procedures.
- **Backup Types:** Detail the different types of backup (full, incremental, differential).
- **Recovery Procedures:** Walk through the steps of recovery (e.g. restoring configuration).

8. Monitoring & Reporting

- **Overview:** Explain what metrics and data are monitored and reported.

9. Security and Compliance

- **Overview:** Discuss the importance of security through compliance.

10. Configuration & Integration

- **IAM Management:** Focus on the configuration of IAM.

11. General Considerations

- **Best Practices:** Mention best practices for security and operation.

12. Appendix (Optional)

- **Glossary:** Provide a short glossary of terms.
- **Links:** Links to relevant documentation.

Notes for Implementation:

- **Visuals:** Consider using screenshots throughout the document to illustrate concepts.
- **Formatting:** Use headings, subheadings, and bullet points to improve readability.
- **Consistency:** Maintain a consistent tone and style throughout the document.
- **User Experience:** Think about how the document will be used – who is the target audience?

Let me know if you'd like me to elaborate on any of these sections or focus on a particular aspect of the document!