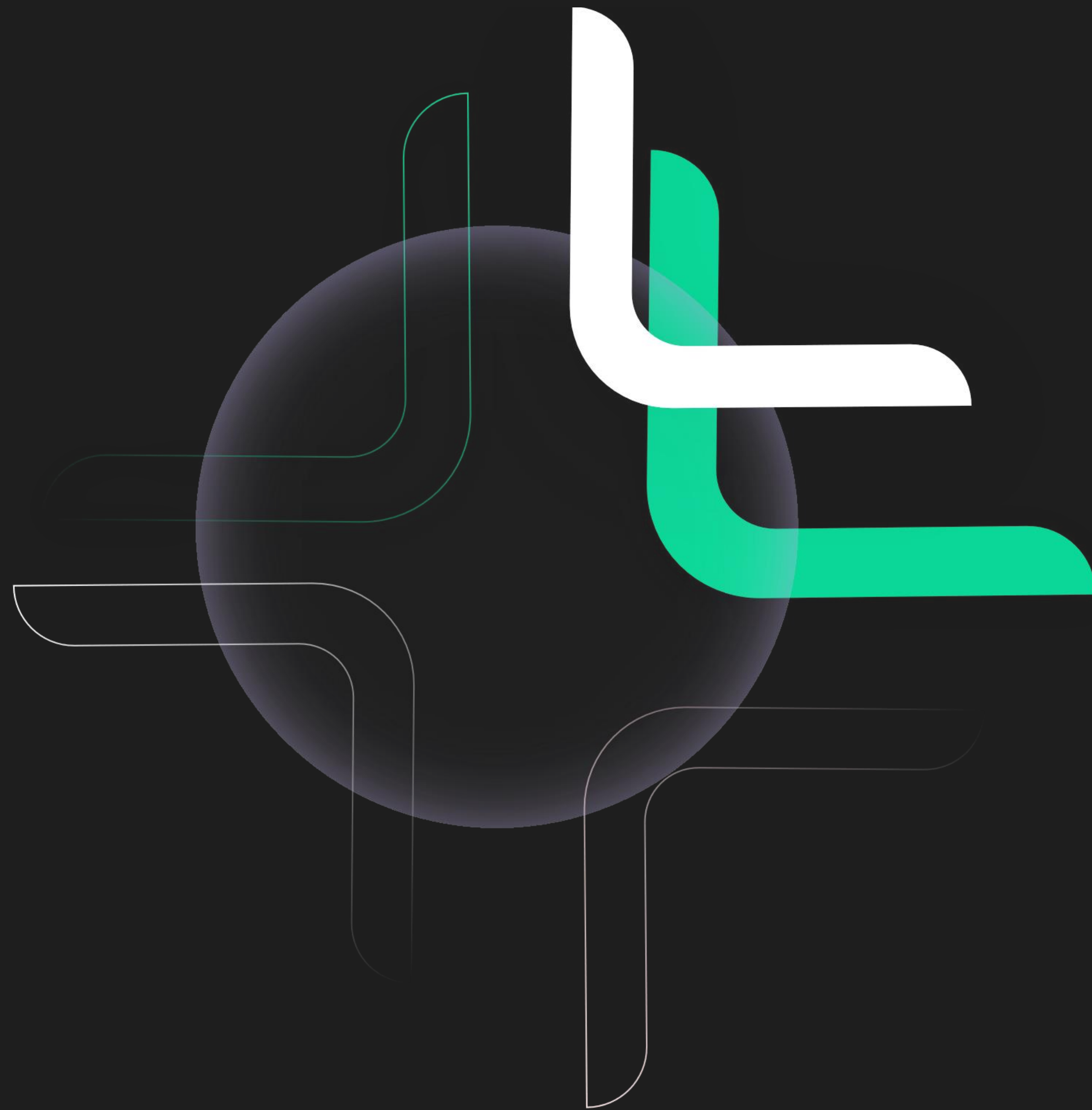


Enterprise readiness

what does it mean

with FintechOS 22

Bogdan Enescu, Architecture Director



Enterprise readiness

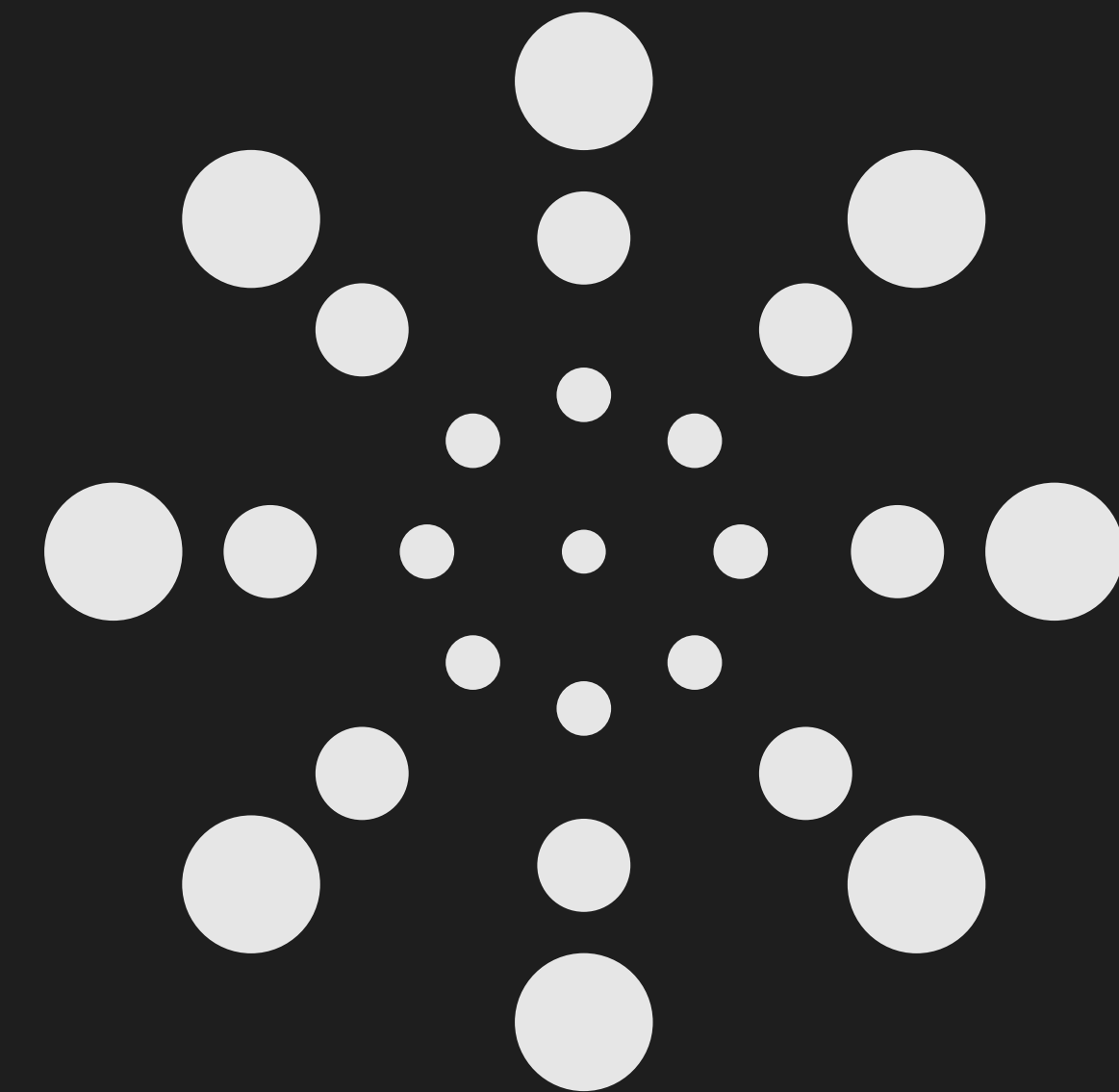
Gartner defines **Enterprise Solutions** as designed to integrate multiple facets of a company's business through the interchange of information from various business process areas and related databases. These solutions **enable companies to retrieve and disseminate mission-critical data** throughout the organization, providing managers **with real-time operating information**.

Enterprise readiness

Gartner also defines **Enterprise Grade** as products that **integrate into an infrastructure with a minimum of complexity** and offer transparent proxy support.

Eight **critical capabilities** for digital financial enterprises

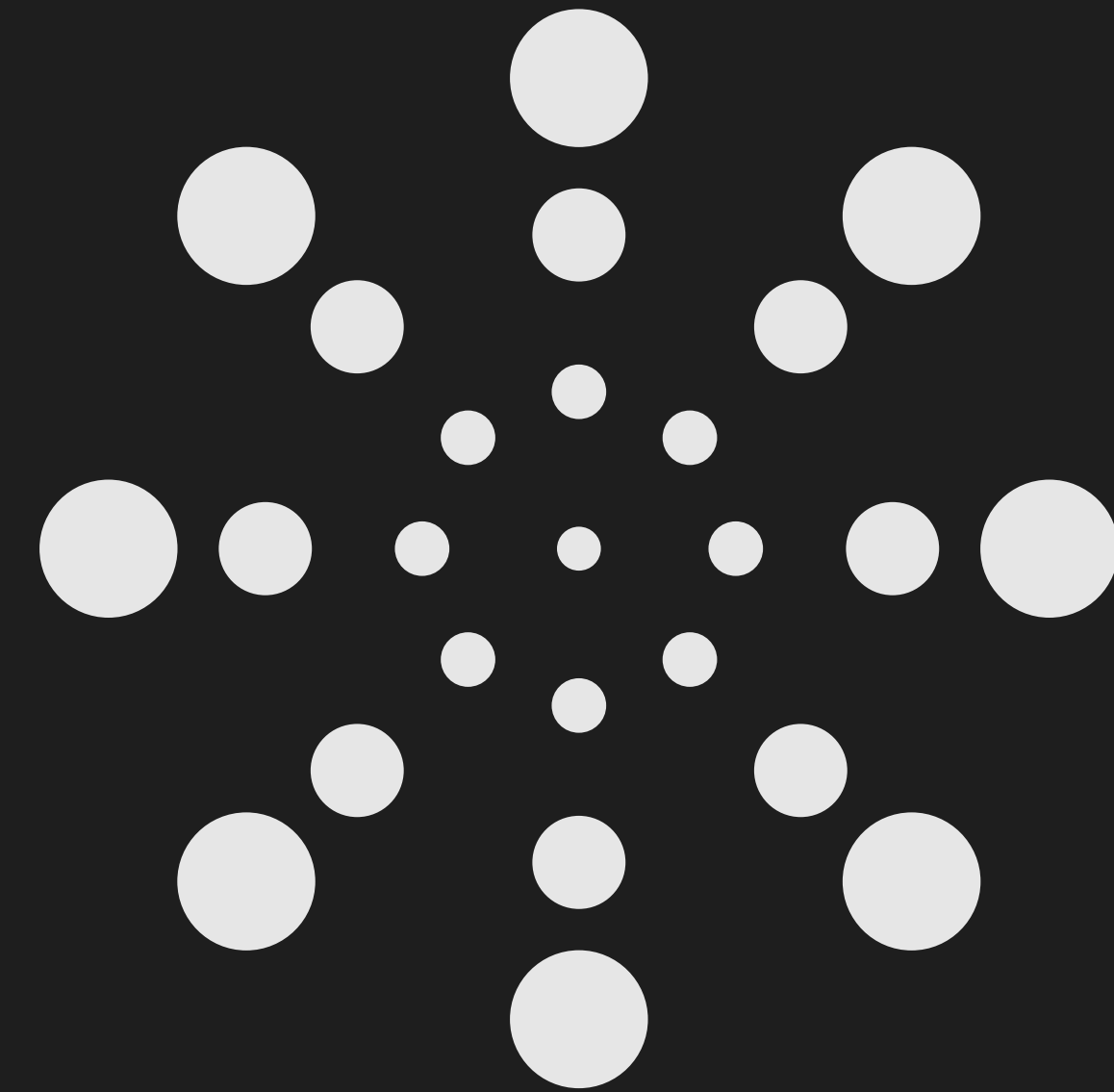
1. Software development life cycle (SDLC)



Eight **critical capabilities** for digital financial enterprises

1. Software development life cycle (SDLC)

2. User experience design

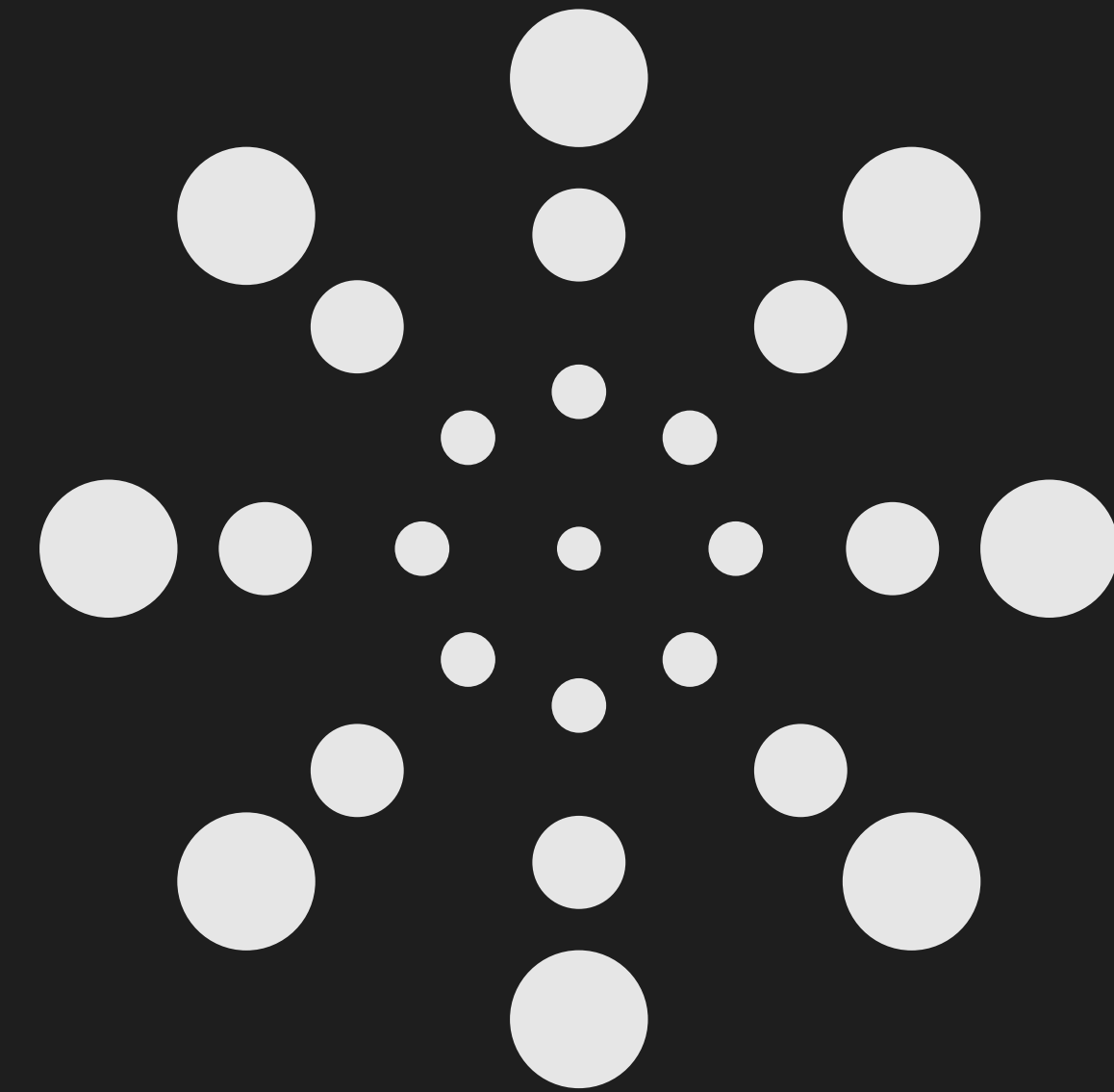


Eight **critical capabilities** for digital financial enterprises

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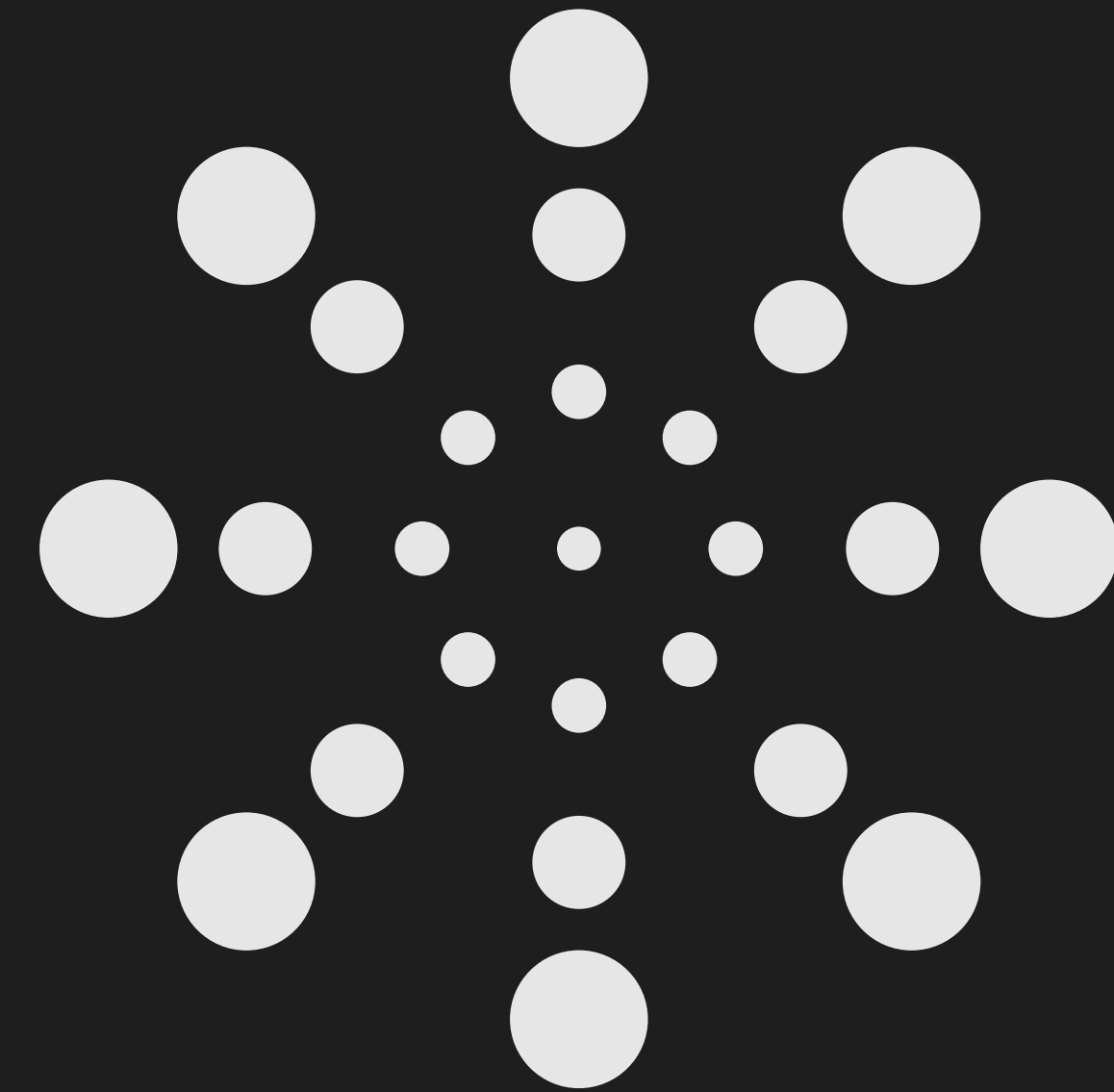
2. User experience design

3. Development productivity



Eight **critical capabilities** for digital financial enterprises

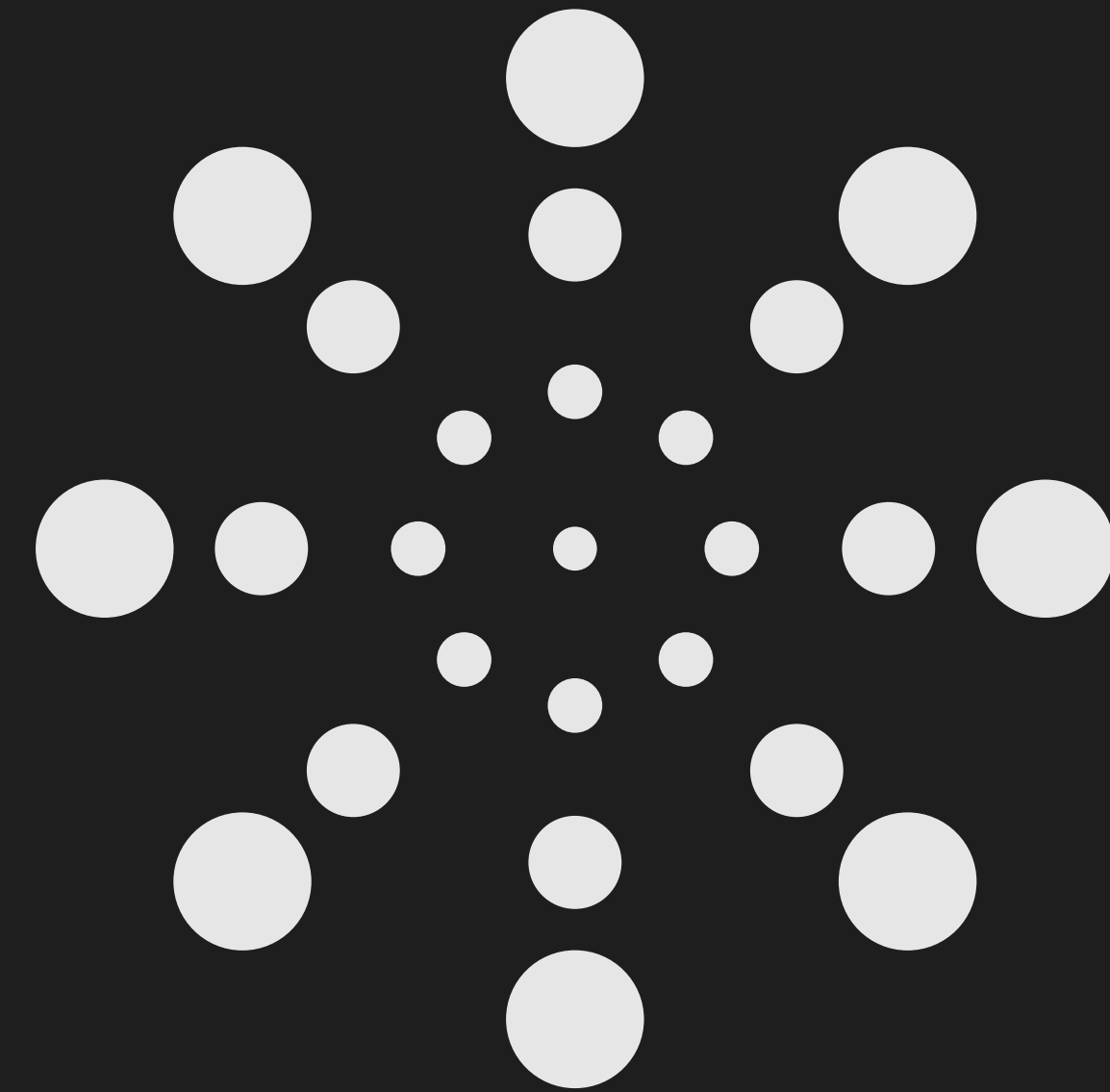
1. Software development life cycle (SDLC)
2. User experience design
3. Development productivity
- 4. Business logic and workflow**



Eight **critical capabilities** for digital financial enterprises

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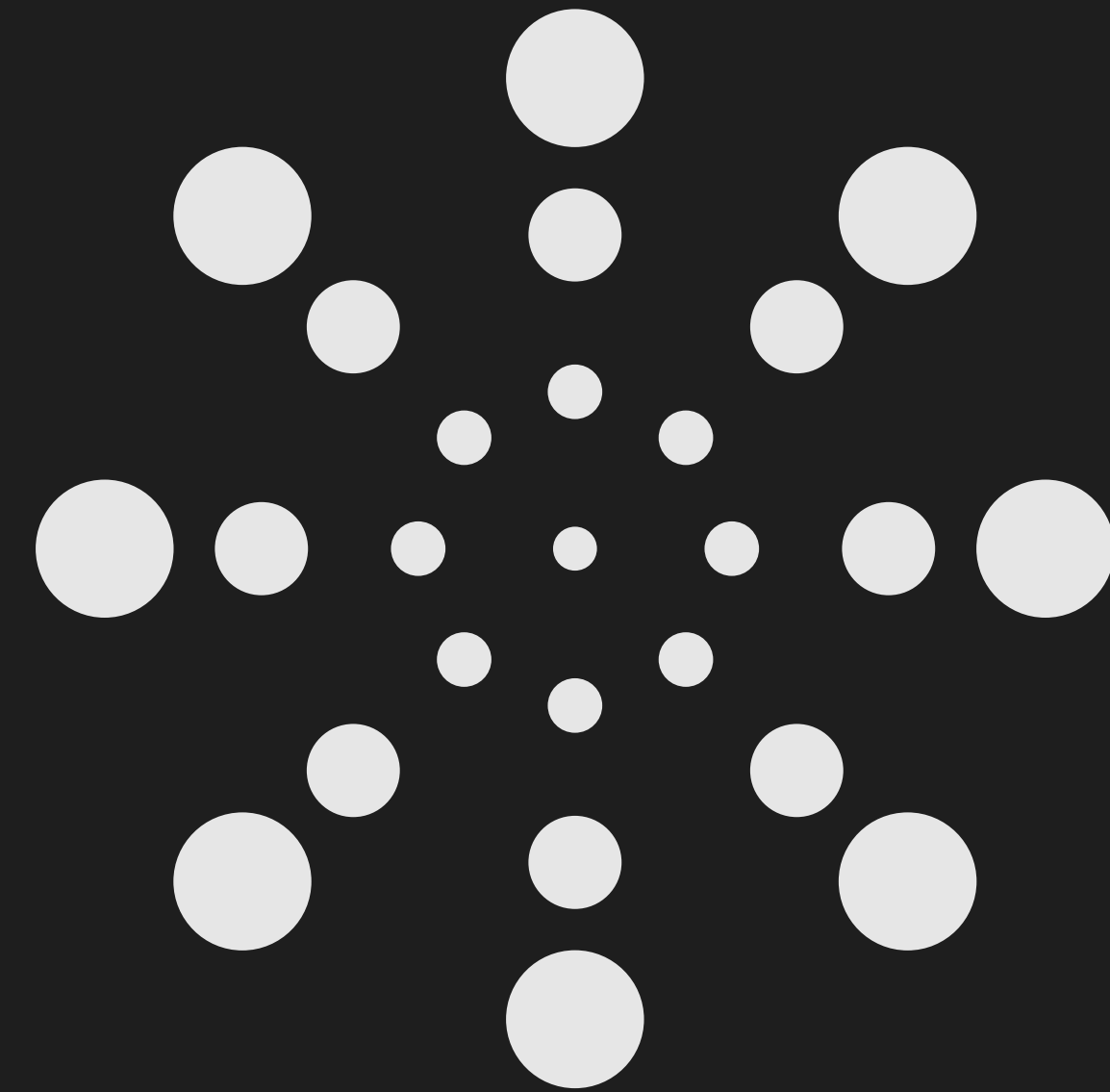
5. Integration and APIs



Eight **critical capabilities** for digital financial enterprises

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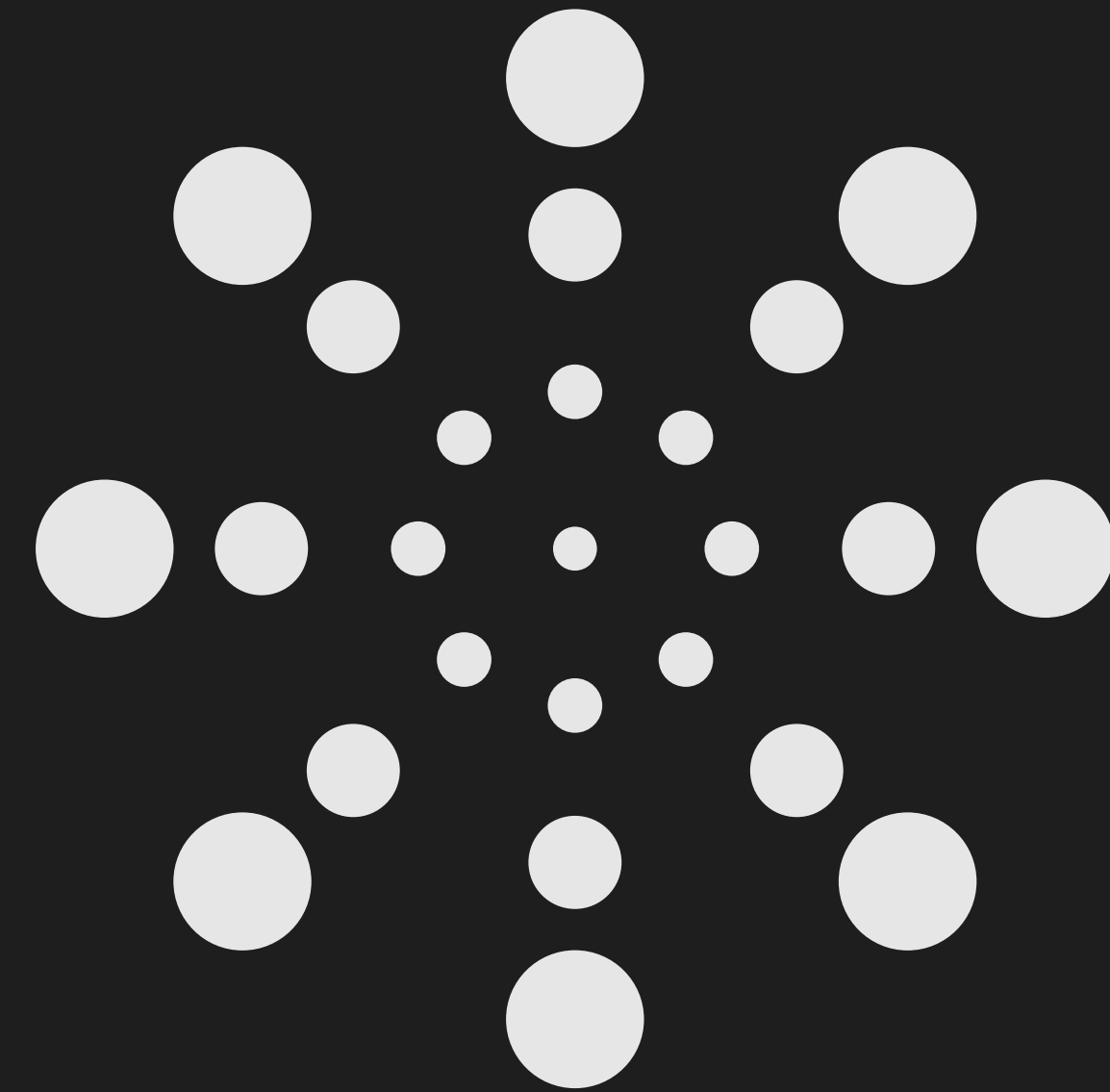
6. Platform ecosystem



Eight **critical capabilities** for digital financial enterprises

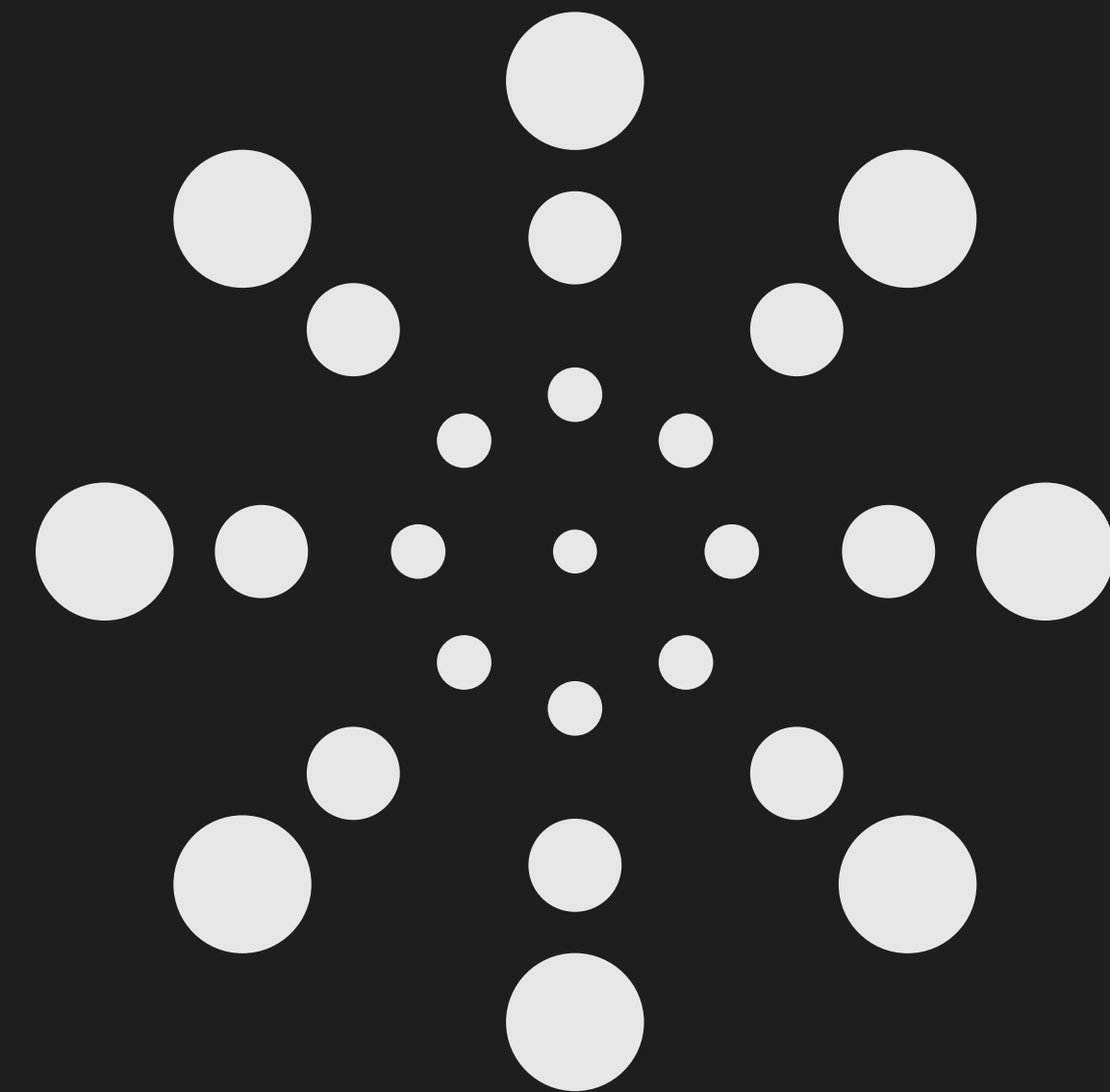
1. Software development life cycle (SDLC)
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5. Integration and APIs
6. Platform ecosystem

7. Governance



Eight **critical capabilities** for digital financial enterprises

1. Software development life cycle (SDLC)
2. User experience design
3. Development productivity
4. Business logic and workflow
5. Integration and APIs
6. Platform ecosystem
7. Governance
- 8. Security and quality of service**



Critical support for Makers in the Enterprise

Essential capabilities for low-code application platforms driving our continuous investments



Enterprise readiness

Scalability – we can deploy FintechOS on scalable infrastructures like Azure App Service

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High availability and Disaster Recovery

– FintechOS Cloud has 99.99 availability for Enterprise and Enterprise+ tiers

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Enterprise Security – we provide user security with our new FintechOS Identity Provider

API Access – we provide strongly typed API's using OpenAPI standard

Monitoring and Service Level Agreement – we are providing aggregated insights from both technical and business perspective

Enterprise Readiness

- **FintechOS Identity Provider**
- **FintechOS Configuration Manager**
- **FintechOS Cloud**

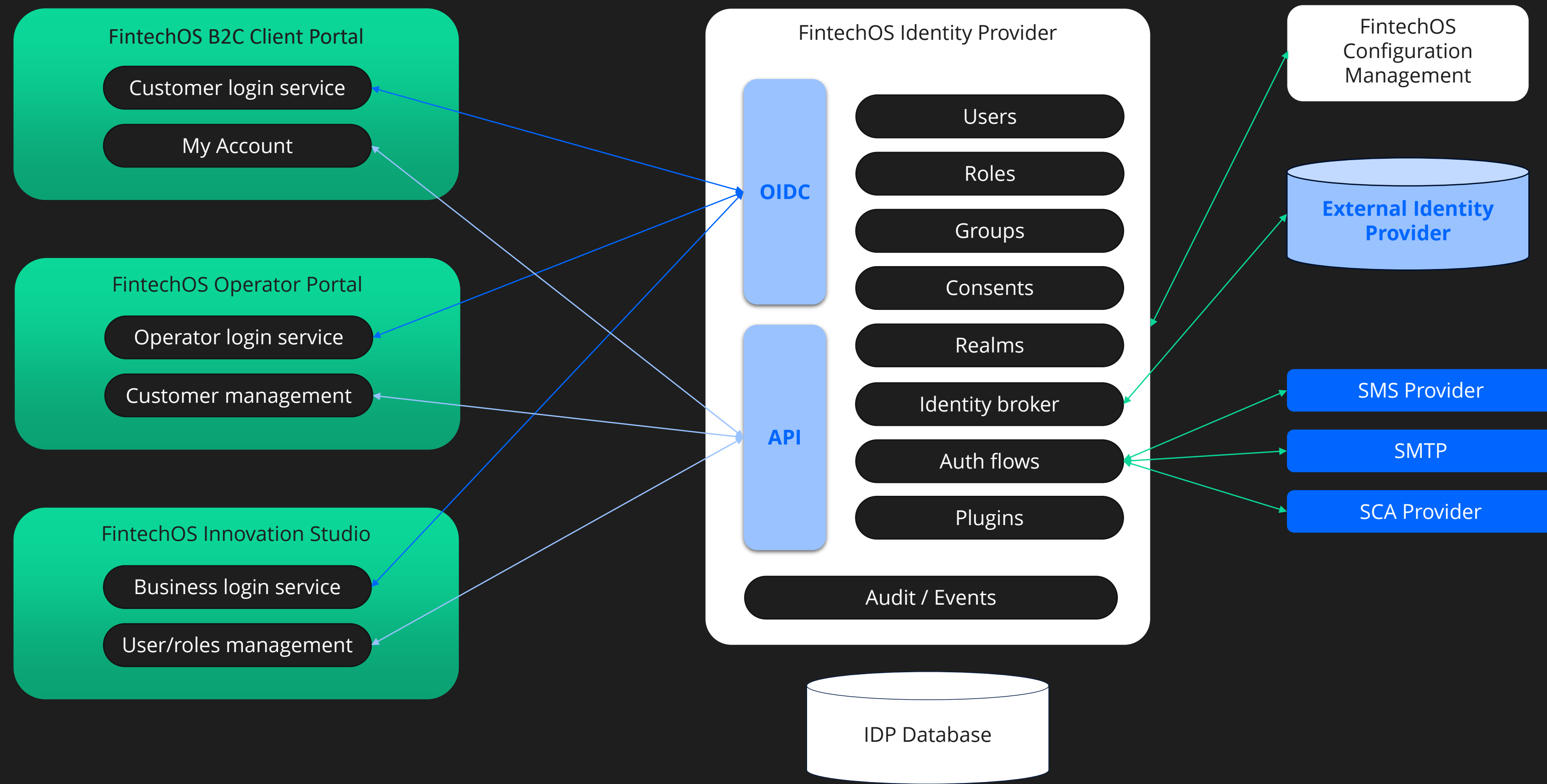
FintechOS Identity Provider

Features

- **OpenID Connect support**
- **SAML support**
- **OAuth 2.0 support**
- **Identity Brokering - Authenticate with external OIDC and SAML Identity Providers**
- **Social Login - Enable login with Google, Facebook, Twitter**
- **User federation - sync users from LDAP and AD servers**
- **Two factor authentication - support for TOTP/HOTP via Google Authenticator or FreeOTP**
- **Login flows - self registration, recover password, verify email, password update**
- **Container ready**

FintechOS Identity Provider

Overview



FintechOS Identity Provider

Other cool features

- **Mapping claims** – metadata provided by external identity provider can be mapped into the environment of your realm. This makes possible to extract user metadata and use it while building solutions with FintechOS
- **X.509 client certificate-based authentication**

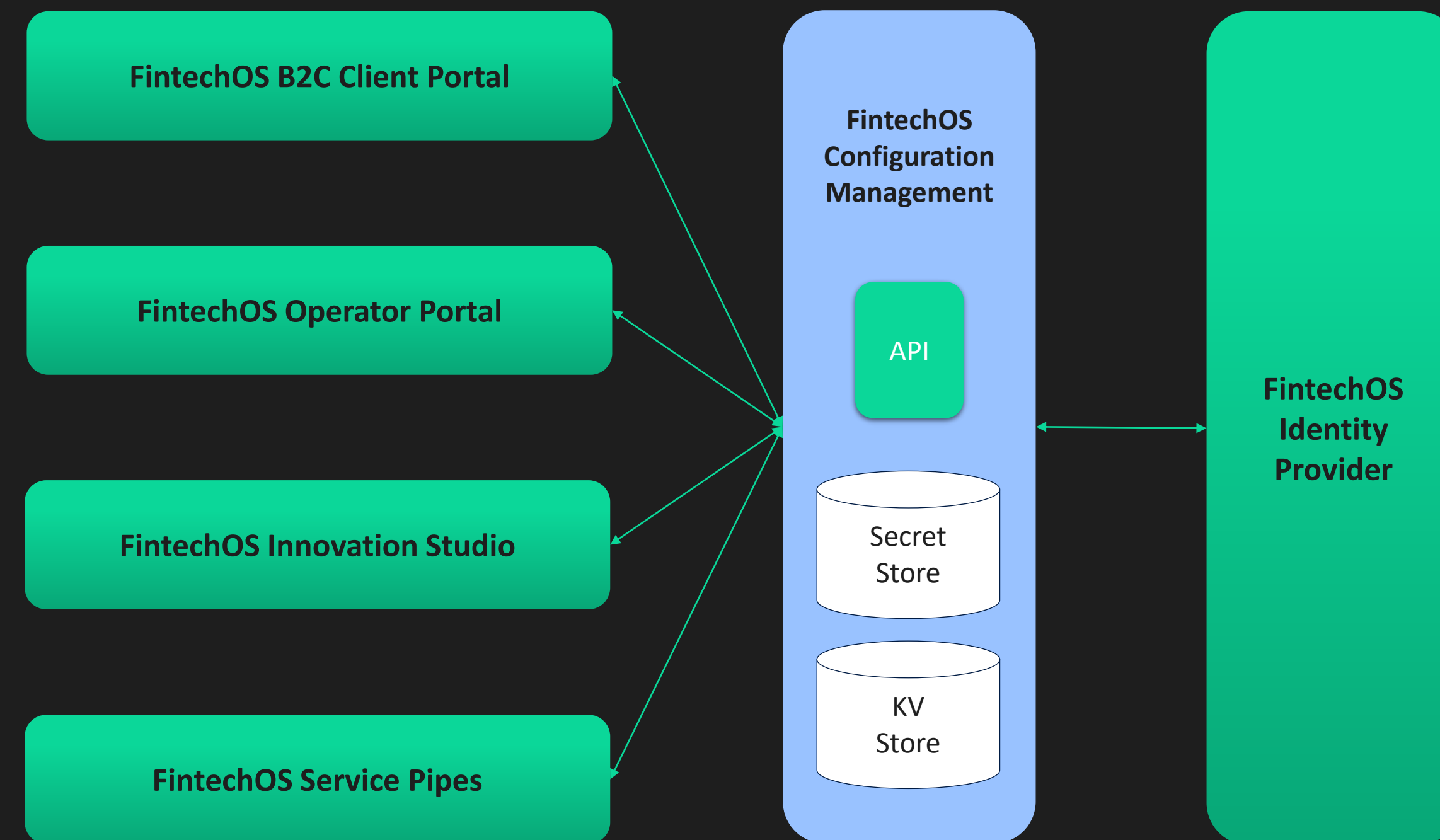
FintechOS Configuration Manager

Features

- **Centralized configuration key-value storage** – FintechOS stores all the configuration keys it requires to run using this component. For our Makers configurations are accessible to be created, read, updated and deleted.
- **Centralized secrets management** – FintechOS Configuration Manager handles all secrets used by FintechOS Platform.
- **Service registry and discovery** – FintechOS stores all configurations like IP's , hostnames, ports in order to discover its components and connect to them.
- **Container ready** - FintechOS Configuration Manager supports running in container-based deployments.

FintechOS Configuration Manager

Overview



FintechOS Cloud

What does it mean

- FintechOS Cloud provide end to end management and control of a customer's solution implemented on FintechOS Platform using Microsoft Azure as a cloud infrastructure.
- FintechOS Cloud also provides infrastructure support like operations, monitoring, incident management, proactive maintenance, disaster recovery and security operations
- FintechOS Cloud also include a Development environment, QA environment, UAT environment and Production environment
- FintechOS provides 4 tiers and a wide range of addons to cover all business needs
- FintechOS includes state of the art enterprise grade architecture and all best practices in running FintechOS

FintechOS Cloud - Basic Tier

Availability

Backup services: Yes

Redundancy: Single region

Disaster recovery: No

SLA: 99.77%

RTO: N/A

RPO: N/A

Performance

Performance enhancement: No

Performance model: Basic

Adaptive performance: No

Database storage: 250 GB

Backup storage: N/A

Storage accounts: 3000 GB

Security

SIEM with built in AI: No

Encryption in transit: Yes

Data encryption at rest: Yes

Vulnerability assesment: Yes

Antimalware prevention: Yes

Web Application Firewall: Yes

Secret and certificate mgmt: Yes

Automatic threat prevention: Yes

FintechOS Cloud - Standard Tier

Availability

Backup services: Yes

Redundancy: Single region

Disaster recovery: Backup based

SLA: 99.77%

RTO: 12h

RPO: 15 min

Performance

Performance enhancement: Yes

Performance model: General purpose

Adaptive performance: Yes

Database storage: 250 GB

Backup storage: 50 GB

Storage accounts: 3000 GB

Security

SIEM with built in AI: Yes

Encryption in transit: Yes

Data encryption at rest: Yes

Vulnerability assesment: Yes

Antimalware prevention: Yes

Web Application Firewall: Yes

Secret and certificate mgmt: Yes

Automatic threat prevention: Yes

FintechOS Cloud - Enterprise Tier

Availability

Backup services: Yes

Redundancy: Multi region

Disaster recovery: Manual failover

SLA: 99.99%

RTO: 2h

RPO: 15 min

Performance

Performance enhancement: Yes

Performance model: Business Critical

Adaptive performance: Yes

Database storage: 250 GB

Backup storage: 50 GB

Storage accounts: 6000 GB

Security

SIEM with built in AI: Yes

Encryption in transit: Yes

Data encryption at rest: Yes

Vulnerability assesment: Yes

Antimalware prevention: Yes

Web Application Firewall: Yes

Secret and certificate mgmt: Yes

Automatic threat prevention: Yes

FintechOS Cloud - Enterprise Tier

Availability

- Backup services:** Yes
- Redundancy:** Multi region
- Disaster recovery:** Automatic failover
- SLA:** 99.99%
- RTO:** 1h
- RPO:** 5 min

Performance

- Performance enhancement:** Yes
- Performance model:** Business Critical
- Adaptive performance:** Yes
- Database storage:** 250 GB
- Backup storage:** 50 GB
- Storage accounts:** 6000 GB

Security

- SIEM with built in AI:** Yes
- Encryption in transit:** Yes
- Data encryption at rest:** Yes
- Vulnerability assesment:** Yes
- Antimalware prevention:** Yes
- Web Application Firewall:** Yes
- Secret and certificate mgmt:** Yes
- Automatic threat prevention:** Yes

FintechOS Cloud - Addons

Additional Portal

This component it is required if you need more than one user authenticated portal. This is the case we will need to support multiple users belonging to different organizations which require different business interfaces with different security restrictions.

Service Pipes

In case complex integrations are required with 3rd party systems that require Enterprise Integration Patterns to be implemented. This component also comes with more than 350 technical connectors.

Data Pipes

Provides access to 250 enterprise data sources like databases, accounting software, CRM, ERP

FintechOS Cloud - Addons

VPN

Site2site VPN based on Azure solution, can be added to our FintechOS Cloud deployment model and it is required for private/secure communication between FintechOS Cloud environment and customer on-premise services. It is usually required to access the platform by internal users via private network without internet access or to secure access on-premise APIs/services from FintechOS environment.

Upscale – performance boost

The performance boost give an additional 20 hits/sec for Basic and Standard packages and 50 additional hits in Enterprise packages.

Downscale

Performance downscale preconfigured package is provided for Enterprise offerings in order to better tailor customer needs. Downscale only applies to infrastructure sizing and not architecture elements

Access all the recordings from
FintechOS Leap 2021 at:
<https://leap.fintechos.com/>

Ready to find out more? We'd love to hear from you:
hello@fintechos.com