

Simplify OIDC Integration with SingPass/CorpPass

Ecquaria Identity Service (EIS) of the Ecquaria Integration Centre is an integration tier component explicitly designed for SingPass and CorpPass authentication (SP/CP) integration. Within EIS, the OpenID Connect Relying Party (OIDC RP) Service is a Product as a Service to help government agencies onboard their applications with the SingPass/CorpPass OIDC protocol quickly and in a fuss-free manner.

EIS OIDC RP Service can be deployed at the single project level or as an agency-wide common service. As a government-compliant integration product, it consists of security-related features such as:

- » Management Console that can be deployed separately in a different zone from the EIS OIDC RP Service
- » Automated certificate rotation
- » Built-In signature verification

Benefits

1. Tailored specifically for SingPass/CorpPass Integration
2. Commitment to continuous government compliance
3. Ease of integration with application language-agnostic REST API
4. Supports agency-wide multi-tenancy deployments as a common service and sharing of Digital Service ID
5. Product as a Service offering

Features

1. Centralised EIC Management Console

A one-stop management console that gives administrators full control to view and manage multiple API gateway instances across multiple projects. It is also fully compliant with government standards.

2. Forward Proxy Support

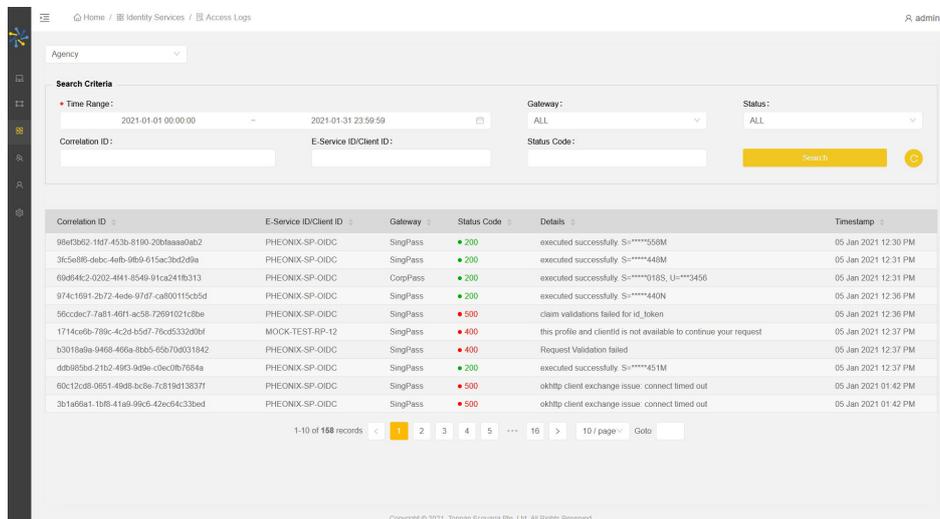
Configuration control within the Management Console for the Forward Proxy to easily connect and exchange requests and responses from SingPass/CorpPass.

3. Multi-Tenancy Role-Based Access Control (RBAC)

EIS supports multi tenants and projects with the capability to manage each project's specific set of APIs and OIDC RP profiles with the necessary authentication and authorisation.

4. Audit Logs and Access Logs Tracking

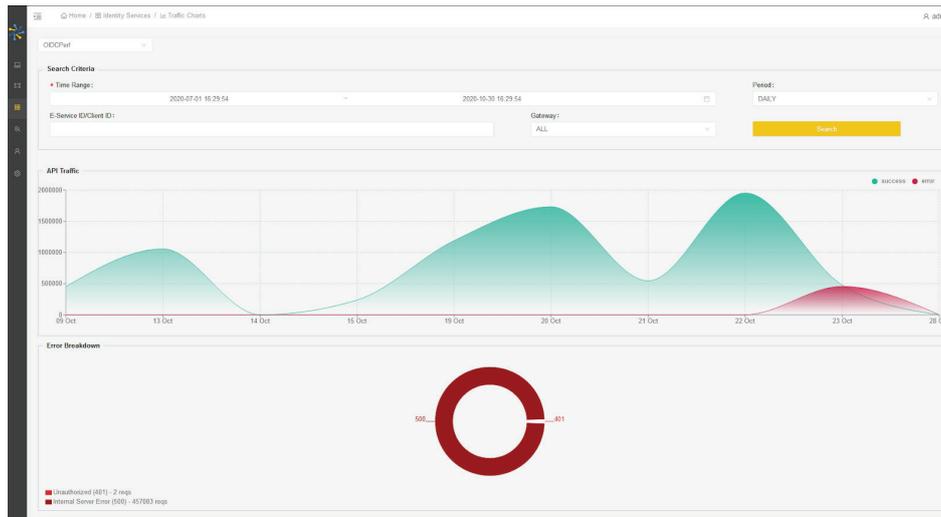
EIS provides access to audit and access logs to allow users to review all usage activities and traffic for auditing and traceability.



Correlation ID	E-Service ID/Client ID	Gateway	Status Code	Details	Timestamp
98e3b62-16f7-453b-8190-20b1aa9ab2	PHEONIX-SP-OIDC	SingPass	200	executed successfully. S=""558M	05 Jan 2021 12:30 PM
31c5e88-d8bc-4a1b-9b69-615ac3e42d9a	PHEONIX-SP-OIDC	SingPass	200	executed successfully. S=""448M	05 Jan 2021 12:31 PM
69d64c-2-0202-4441-8549-91ca241b313	PHEONIX-SP-OIDC	CorpPass	200	executed successfully. S=""018S; U=""3456	05 Jan 2021 12:36 PM
974c1691-2b72-4ede-97d7-ca800115cb5d	PHEONIX-SP-OIDC	SingPass	200	executed successfully. S=""440N	05 Jan 2021 12:36 PM
56c0dec7-7a81-46f1-ac58-72891021c3be	PHEONIX-SP-OIDC	SingPass	500	claim validations failed for id_token	05 Jan 2021 12:36 PM
1714ce8b-789c-4c3d-b5d7-76c5332b9f	MOCK-TEST-RP-12	SingPass	400	this profile and clientid is not available to continue your request	05 Jan 2021 12:37 PM
b3018a9a-9468-466a-8bb5-65b7d6031842	PHEONIX-SP-OIDC	SingPass	400	Request Validation failed	05 Jan 2021 12:37 PM
0db689d-2162-48f3-8d9e-c0ec0b7684a	PHEONIX-SP-OIDC	SingPass	200	executed successfully. S=""451M	05 Jan 2021 12:37 PM
60c12c08-0651-48d8-bc8e-7c819d13837f	PHEONIX-SP-OIDC	SingPass	500	okhttp client exchange issue: connect timed out	05 Jan 2021 01:42 PM
3b1a68a1-1d85-41a9-99e8-42ec94c33bed	PHEONIX-SP-OIDC	SingPass	500	okhttp client exchange issue: connect timed out	05 Jan 2021 01:42 PM

5. Traffic Visualisation

Provides error break down and traffic chart for troubleshooting purposes and transaction reconciliation with SingPass/CorpPass.



Product as a Service

1. Setup, Installation and Configuration of EIS OIDC RP

- » Provide consultancy services to customers on deployment architecture and sizing for EIC OIDC RP based on agency/project specific requirements
- » Provide deployment services (e.g. UAT and PROD environments)
- » Hardening of virtual servers and middleware

2. Agency Applications & Digital Service IDs Onboarding

- » Configure SingPass/CorpPass profiles
- » Setup of tenant profiles
- » Provide application integration support

3. On-going SingPass/CorpPass OIDC RP Support

- » Renewal of signing certificates
- » Rotation of encryption keys
- » SingPass/CorpPass scheduled activities
- » Applications system integration testing for the above activities

Summary of EIS OIDC RP Service

✓ **Separate Management Console**

✓ **Government Standards-Compliant**

✓ **Product as a Service**

✓ **Shared Digital Service ID Support**

✓ **Mock SingPass/CorpPass Server for Testing**