



National Applied Research Laboratories

National Center for
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OpenID Introduction

2015.04.08
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What is OpenID?

- **Open Standard**
- **Single Sign-On (SSO)**
- **Support multiple Websites**
 - use your existing account
 - no more registering different accounts
- **User-centric identity**
- identification, authentication, trust, authorization services



Why should we use OpenID?

- **Faster/Easier**
 - simplify signing in
- **Convenience**
 - just needing one account/password
- **Uniqueness**
 - OpenID URI is a unique identifier
- **Security**
 - only give your password to an OpenID provider

What can OpenID do for us?

- Three roles of OpenID service
 - **End user**, OpenID Provider (**OP**), and Relying Party (**RP**)
- OP can provide delegating authentication mechanism
 - without keeping password in RP
- RP can get user data from OP based on the agreement of users
- OP can manage and keep track of login data

Open ID Auth. Module



SOAP Web Service

Data Transfer

SSO

Token



File Services



Storage Devices

User Profile

- Create User Session
- setAuthorityAppInfo

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Sunstone
Server



OpenID Auth.
Plugin

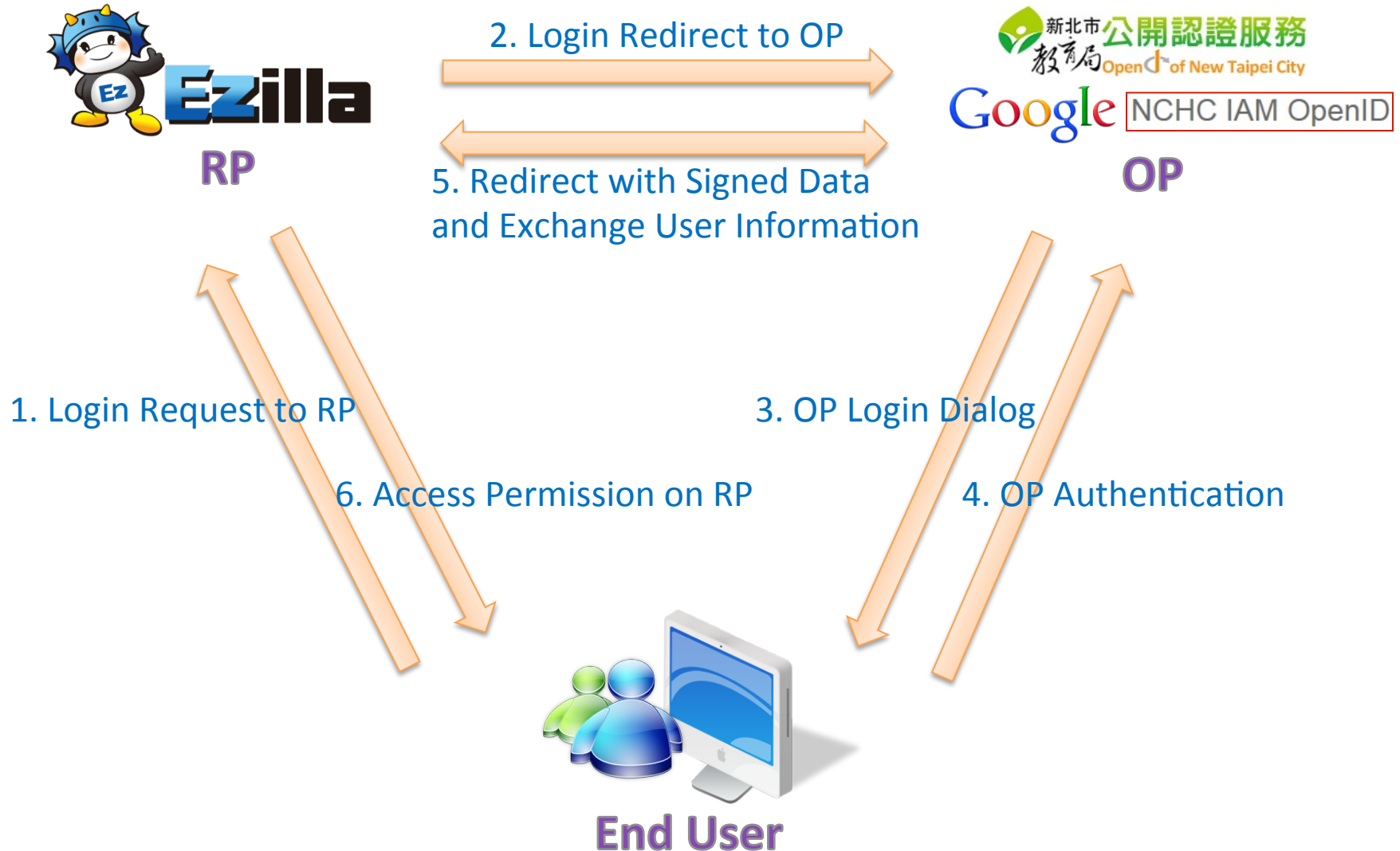
Regular
Auth. Plugin

OpenNebula Core
Auth.

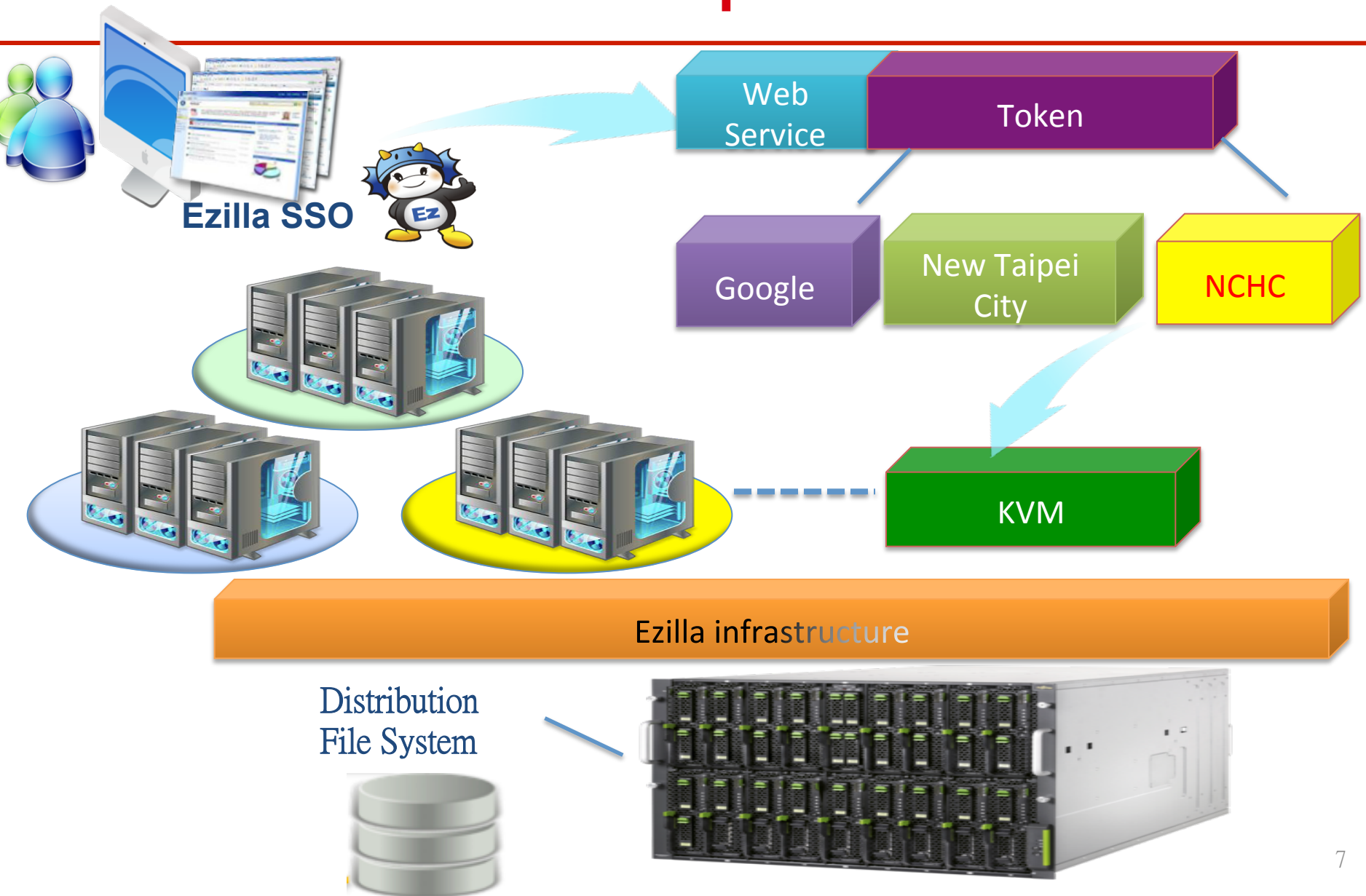
Import into
One DataBase



How does OpenID work on the server side?



How does user use OpenID?





Thank You For Listening!