

REST and Web Services

Using REST

- Before accessing one of ProcessMaker's REST endpoints, it is necessary to first use OAuth 2.0 to access ProcessMaker.
- After authenticating the external application with OAuth and logging into processmaker with a valid username and password, OAuth2.0 will return an access_token.
- Using that access_token, the ProcessMaker REST endpoints can then be accessed until the OAuth session expires or the user's login session expires.

Registering the application

- The application must be registered by a user with `PM_REST_API_APPLICATIONS` permission. For instance, an admin user.
- The application must be registered in:
<http://server.fr/sysworkflow/en/neoclassic/oauth2/applications>
- [Documentation](#).
- [ProcessMaker API](#).

Examples

- JavaScript app
- HTTP Requester

ProcessMaker I/O

- Highly scalable workflow engine API micro service designed for anyone building enterprise applications in the cloud.
- How it works?
 - i. Create a BPMN scheme in any editor.
 - ii. Connect the process to different connectors through a web interface.
- <https://www.processmaker.io/>

WSDL Web Services

- WSDL Web Services can be called by any language using SOAP and WSDL libraries (Java, Python, PHP, Ruby, Perl, .NET).
- You need to have SOAP enabled in PHP.
- In case you cannot use the web services, disable the WSDL cache:

```
ini_set("soap.wsdl_cache_enabled", "0");
```

WSDL Web Services (cont.)

- You can use passwords as MD5 or SHA256 hashes, to avoid storing text.

- The MD5 of your password can be found through MySQL:

```
select USR_USERNAME, USR_PASSWORD from  
wf_workflow.RBAC_USERS;
```

- MD5 hashes **cannot** be used by users imported from LDAP or Active Directory.

Examples

- Approval By Email using web services and a form in the template
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- External users submit info to case from email
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