

## ACONEX API SAMPLE

### MAIL FORM FIELDS

#### Introduction

This API sample sheet reviews the Aconex API Mail Form Fields.

The mail form fields are a possible extension to the default set of available mail fields for a project. Before a project can use mail form fields, it needs to be configured first. This is as part of the project configuration setup.

The set of added mail fields are tied to a specific mail type, allowing different mail types having different set of mail form fields. They are similar to the default mail fields, but can be named to suit a project's requirements and offer different field types (e.g. number and date). This enables data that is more traditionally captured via forms to be included as part of a mail.

They allow clients to add additional information (or tags) to mail that provide additional reporting and tracking capabilities. Each field can be searched on and when used correctly, can help drive standardisation with a project's communications.

Additional to the mail form fields, there exists "Restricted Fields" also. "Restricted Fields" are also a possible extension set of mail fields through the setup in the project configuration. The "Restricted Fields" works exactly the same as for the Mail Form fields described in this sheet. The only difference with "Restricted Fields" is that they are only visible to your own organization, regardless to who a mail is sent.

#### Retrieve available mail form fields for a project

The mail create schema is first downloaded for the project. Available mail form field will be referenced under the field identifier "MailTypeld". Different mail types can have different sets of mail form fields, therefore the reference to used mail form field sets are placed there. See partial sample below:

```
<MultiValueSchemaField>
  <Attributes>
    <EntityField MandatoryStatus="MANDATORY" />
  </Attributes>
  <DataType>INTEGER</DataType>
  <FieldName>Mail Types</FieldName>
  <Identifier>MailTypeId</Identifier>
  <SchemaValues>
    <SchemaValue>
      <Id>26</Id>
      <Links>
        <Link rel="mailFormFieldsSchema"
          href="/api/projects/21117/customfields/context/21117/subcontext/26/schema"
          />
      </Links>
      <Value>Purchase Order</Value>
    </SchemaValue>
  </SchemaValue>
  ....

```

If a mail type has mail form fields, there will be an extra <link> element added in the schema. With another API request using the link href attribute value, the mail form mail fields for this mail type can be retrieved.

## Sample mail form field's schema

Following is partial sample of a mail form field schema response:

```
<MailFormFields>
  <MailFormField type="NUMBER" mandatory="false"
  identifier="DealValueInUsd_number_currency_USD">
    <HintText></HintText>
    <Label>Deal Value in USD</Label>
    <Specifications>
      <Specification name="unitName">USD</Specification>
      <Specification name="maxLength">25</Specification>
      <Specification name="unitQuantity">currency</Specification>
    </Specifications>
  </MailFormField>
```

...

Note that a mail form field can be mandatory when creating a new mail. Depending on the field type the field can have certain restriction listed under specifications.

## Create a mail with mail form fields

Creating a mail with mail form fields works in the same way as to create an ordinary mail using Aconex Create Mail API service. The difference is that you need to add the mail form fields as well to the Post XML content, using the mail form field's schema identifiers.

## View mail with mail form fields

The 'View Mail Metadata' service will list any mail form fields in the response if available together with the ordinary fields using the identifiers listed in the mail form field's schema.

## Search mails with mail form fields

To search for mails with mail form fields, the existing 'List Mail' service is used. The mail form fields are searchable using the identifiers listed in the mail form field's schema. For example, to search for mails with a specific range of deal values (see partial schema above), following syntax can be used:

```
&search_query= DealValueInUsd_number_currency_USD:[100 TO 1000000]
```

This search will retrieve all mails with a deal value between 100 to 1000000.

## References

141216 Aconex Web Services - Developer's Guide (Version 5).pdf  
Aconex\_Web\_Services\_Developer\_Support\_Information\_18Apr11.pdf  
Aconex API Sample - Web Requests (C#).pdf  
Aconex API Sample - Web Requests (Java).pdf  
Aconex API Sample - Document Schema.pdf  
Aconex API Sample - Document Parameters.pdf  
Aconex API Sample - Mail Schema.pdf  
Aconex API Sample - Paging.pdf  
Aconex API Sample - Mail Download.pdf  
Aconex API Sample - Performance Throttling.pdf  
Aconex API Sample - OAuth.pdf

## **Disclaimer**

This sample sheet information is only provided to exemplify how certain requests can be made using the Aconex API Web Services and should be treated as such. This sample sheet should not be considered best practice or an Aconex recommended implementation, as each integration project has its own unique challenges and need to be adopted thereafter.