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Aconex

Aconex Web Services: **Tasks**

Aconex Web Services

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Aconex Tasks Services

Task Count

The service returns task counts for a given project, or for all projects.

Note: Counts include totals for individual features (Mail, Register, Supplier Documents) and totals for different task types within features.

URL structure

```
HTTP GET: https://{hostname}/api/tasks/count?projectid={projectId}
```

Parameters

Parameters	Type(maxlength)	Cardinality	Notes
projectid	string		Optional. If provided, task counts for the given project are returned, else task counts for all projects associated with the user are returned.

Expected Response

Cardinality refers to the number of repetitions a field can have. A cardinality that allows zero (0) means the field is optional, and may not appear in the response.

The number of *'s indicate the parent-child depth.

Element	Type(maxlength)	Cardinality	Notes
Tasks	Group	1	
totalCount	Attribute Integer	1	The number of total tasks found for a given project or for all projects. Value can be "0" if none found.
*Feature	Group	1..n	n refers to the number of features this user /project registered to
*totalCount		1	

	Attribute Integer		The number of total tasks found for a given feature. Value can be "0" if none found.
*featureName	Attribute String	1	One of: • Mail • Register (includes Documents, Assets, Items, Defects, Issues) • Supplier Documents (only if applicable)
**Type	Group	1..n	n refers to the number of task types each feature will have

**typeName	Attribute
	String
		1	One of:
			
			• **Mail** :
			  • unreadto
			  • unreadcc
			  • responserequired-OUTSTANDING
			  • responserequired-OVERDUE
			  • awaitingapproval
			• **Register** :
			  • unreadtransmittalto
			  • unreadtransmittalcc
			  • responserequiredtransmittal-OUTSTANDING
			  • responserequiredtransmittal-OVERDUE
			  • unreadshare
			  • awaitingreview
			• **Supplier Documents:**
			  • supplierdocssubmissionrequired
			  • supplierdocssubmitted

**totalCount	Attribute Integer	1	The number of total tasks found for a task type specified. Value can be "0" if none found.

Examples/Samples

Sample Request

(Task Counts for a given project with id : 1879048400)

```
https://au1.aconex.com/api/tasks/count?projectid=1879048400
```

(Task Counts for all projects)

```
https://au1.aconex.com/api/tasks/count
```

Sample Response

```xml
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<Tasks totalCount="28">

    <Feature totalCount="12" featureName="Mail">
        <Type totalCount="3" typeName="unreadto"/>
        <Type totalCount="6" typeName="unreadcc"/>
        <Type totalCount="1" typeName="responserequired-OUTSTANDING"/>
        <Type totalCount="1" typeName="responserequired-OVERDUE"/>
        <Type totalCount="1" typeName="awaitingapproval"/>
    </Feature>

    <Feature totalCount="13" featureName="Register">
        <Type totalCount="5" typeName="unreadtransmittalto"/>
        <Type totalCount="4" typeName="unreadtransmittalcc"/>
```

```
            <Type totalCount="1" typeName="responserequiredtransmittal-
OUTSTANDING"/>
            <Type totalCount="1" typeName="responserequiredtransmittal-OVERDUE"
/>
            <Type totalCount="1" typeName="unreadshare"/>
            <Type totalCount="1" typeName="awaitingreview"/>
    </Feature>

    <Feature totalCount="3" featureName="Supplier Documents">
            <Type totalCount="2" typeName="supplierdocssubmissionrequired"/>
            <Type totalCount="1" typeName="supplierdocssubmitted"/>
    </Feature>

</Tasks>
```

Error Codes Specific to the Service

Status Code	Description	HTTP Status Code

Prerequisites

Required Permissions

There are no required permissions to use this service.

Preferences/Module Setup

Not Applicable.

Related APIs

- Task List Service

Task List

The service returns detailed information for tasks for a specified task type and project.

Notes:

1. Paged searching is mandatory for the service.
2. Page size is fixed to maximum of 25 tasks per response.

URL structure

```
HTTP POST: https://{hostname}/api/projects/{projectid}/tasks?task_type=
{taskType}&page_number={pageNumber}
```

Parameters

Parameters	Type(maxlength)	Cardinality	Notes
task_type	String	1	task_type is mandatory. One of: • **Mail** : • unreadto • unreadcc • responserequired-OUTSTANDING

			- responserequired-OVERDUE - awaitingapproval **Register** : - unreadtransmittalto - unreadtransmittalcc - responserequiredtransmittal-OUTSTANDING - responserequiredtransmittal-OVERDUE - unreadshare - awaitingreview **Supplier Documents:** - supplierdocssubmissionrequired - supplierdocssubmitted
page_number	Integer	1	page_number is mandatory. **Note:** Any value greater than 0 is accepted

Expected Response

Cardinality refers to the number of repetitions a field can have. A cardinality that allows zero (0) means the field is optional, and may not appear in the response.

The number of *'s indicate the parent-child depth.

Parameters	Type(maxlength)	Cardinality	Notes
Tasks	Group	1	
*Task	Group	1...n	n refers to the number of tasks found for a given project , given task type and page number
*totalResultsOnPage	Integer	1	Refers to the total number of tasks found for a given project, given task type on a given page
**AssignedByOrg	String	0..1	This value is available to all task types except awaitingapproval and awaitingreview
**CreationDate	String	1	UTC format
**Description	String	1	
**ProjectId	String	1	
**ProjectName	String	1	
**ReferenceLabel	String	1	
**StepName	String	0..1	Only available for "awaitingreview" task type
**AggregateCount	Integer	0..1	Only available for "awaitingreview" task type
**DueDate	String	0..1	UTC format , Only available below task types - responserequired-OUTSTANDING - responserequired-OVERDUE - responserequiredtransmittal-OUTSTANDING - responserequiredtransmittal-OVERDUE - awaitingreview
**AssignedByUser	String	0..1	Only available for "awaitingapproval" task type
**MailId	String	0..1	Only available for below task types - unreadto - unreadcc - unreadtransmittalto - unreadtransmittalcc - unreadshare - responserequired-OUTSTANDING - responserequired-OVERDUE - responserequiredtransmittal-OUTSTANDING - responserequiredtransmittal-OVERDUE

Examples/Samples

Sample Request for task type unreadto

Task List for a given project with id : 1879048194 and task type "unreadto"

```
 https://au1.aconex.com/api/projects/1879048194/tasks?
task_type=unreadto&page_number=1
```

Sample Response for above request

```xml
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<Tasks totalResultsOnPage="2">
    <Task>
        <AssignedByOrg>Walla</AssignedByOrg>
        <CreationDate>2004-05-25T00:19:48.307Z</CreationDate>
        <Description>external wall</Description>
        <ProjectId>1879048194</ProjectId>
        <ProjectName>Moonlight</ProjectName>
        <ReferenceLabel>AA-000001</ReferenceLabel>
    </Task>
    <Task>
        <AssignedByOrg>High Rise Architecture </AssignedByOrg>
        <CreationDate>2004-05-24T23:01:09.703Z</CreationDate>
        <Description>Project Update Meeting</Description>
        <ProjectId>1879048194</ProjectId>
        <ProjectName>Moonlight</ProjectName>
        <ReferenceLabel>MEMO-000004</ReferenceLabel>
    </Task>
</Tasks>
```

Sample Request for task type awaitingapproval
(Task List for a given project with id : 1879048194 and task type "awaitingapproval")

```
 https://au1.aconex.com/api/projects/1879048194/tasks?
task_type=awaitingapproval&page_number=1
```

Sample Response for above request

```xml
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<Tasks totalResultsOnPage="1">
    <Task>
        <AssignedByUser>Walla</AssignedByUser>
        <CreationDate>2004-05-25T00:19:48.307Z</CreationDate>
        <Description>Mail Approval task type</Description>
        <ProjectId>1879048194</ProjectId>
        <ProjectName>Moonlight</ProjectName>
        <ReferenceLabel>DRAFT-00003</ReferenceLabel>
    </Task>
</Tasks>
```

Sample Request for task type awaitingreview
(Task List for a given project with id : 1879048194 and task type "awaitingreview")

```
 https://au1.aconex.com/api/projects/1879048194/tasks?
task_type=awaitingreview&page_number=1
```

Sample Response for above request

```xml
<?xml version="1.0" encoding="utf-8" standalone="yes"?>
<Tasks totalResultsOnPage="1">
    <Task>
        <aggregateCount>1</aggregateCount>
        <creationDate>2011-01-26T23:32:44.997Z</creationDate>
        <description>One step workflow- new</description>
        <dueDate>2011-01-27T23:32:44.880Z</dueDate>
        <projectId>1879048194</projectId>
        <projectName>Moonlight</projectName>
        <referenceLabel>WF-000002</referenceLabel>
        <stepName>one step</stepName>
    </Task>
</Tasks>
```

Error Codes Specific to the Service

Status Code	Description	HTTP Status Code

Prerequisites

Required Permissions

There are no required permissions to use this service.

Preferences/Module Setup

Not Applicable.

Related APIs

- Task Count Service

Additional to above services, a set of OAuth2 services are available, described in a separate specification.