

BOND adapt

Specialist staffing software



User Guide: External Requests

External Requests

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External Requests

It is possible to import CV or invoke Entities, Workflows or Business Objects in Adapt by using the formatted HTTP request string.

The external request string can be contained within the external website source code as a link, or it can be manually typed into browser address bar.

If a user is currently logged into Adapt, then upon executing the external request the appropriate Entity, Workflow or Business Object will be invoked within the same session.

If a user is not currently logged into Adapt, then upon executing the external request the Login page will open, and the appropriate Entity, Workflow or Business Object will be invoked after user logs into Adapt.

External Open Requests are made to the `<serverIP:port>/WebApp/ext_request.html`, where `<serverIP:port>` is the IP address of the application server and port the connection is established through (e.g. 123.45.67.89:8080).

Tip Short help on the supported external requests is available on the application server at `<serverIP:port>/WebApp/ext_request_help.html`.

External Requests

Request	Description
Open Entity	Opens the specified Entity in the Standard User Runtime
Open Workflow	Opens the specified Workflow View in the Standard User Runtime
Run BO	Invokes the specified Business Object
Import CV	Invokes CV Import and passes a CV file(s) stored locally or on the external website to the CV Import module that will further download and parse information contained within that file(s)

External Requests

Note It is possible to include import CV, invoke Entity, Workflow or Business Object Adapt requests into an external Web Page by means of the Adapt JavaScript Services, UI Module functions. They are built on top of the http-formatted External Request URL strings and possess the same capabilities.

For more information on Adapt JavaScript Services, refer to the [Engine Documentation\Linked Server\AdaptJavaScriptServices_UserGuide](#).

Open Entity

Open Entity request opens the specified Entity in the Standard User Runtime

Syntax

```
http://[serverIP]:[port]/WebApp/ext_request.html?entityId=[entityId]&roleId=[roleId]&segmentId=[segmentId]&domainId=[domainId]&profileId=[profileId]
```

Parameters

entityId

Usage: Mandatory

Definition: ID of the Entity to open.

roleId

Usage: Optional

Definition: ID of the Role to open the Entity as

Useful when Entity possesses several Roles.

Note

If target Entity possesses several Roles, and **roleId** parameter was not specified in the request string, then the Entity View for default Role will open.

segmentId

Usage: Optional

Definition: ID of the Segment to open.

domainId

Usage: Conditional (must be specified if **profileId** is used)

Definition: ID of the Domain the target Entity belongs to.

Note

If **domainId** is not specified, the Domain the user is currently logged into will be considered.

If **domainId** is specified but differs from the ID of the Domain the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain will appear in the Standard User Runtime. In this case request must be re-submitted.

In case user is not currently logged in, the appropriate Domain will need to be manually selected on the Adapt Login page.

profileId

Usage: Conditional (must be specified if **domainId** is used)

Definition: ID of the Domain Profile the target Entity belongs to.

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Note

If **profileId** is not specified, the Domain Profile the user is currently logged into will be considered.

If **profileId** is specified but differs from the ID of the Domain Profile the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain Profile will appear in the Standard User Runtime. In this case request must be re-submitted.

In case user is not logged in at the moment, the appropriate Domain Profile will need to be manually selected on the Adapt Login page.

Example

Open the specified Entity:

```
http://123.45.67.89:8080/WebApp/ext_request.html?entityId=123456
```

Open the Segment inside the specified Entity's View:

```
http://123.45.67.89:8080/WebApp/ext_request.html?entityId=123456&segmentId=123456
```

Open the specified Entity (under default Role) in the specified Domain Profile:

```
http://123.45.67.89:8080/WebApp/ext_request.html?entityId=123456&domainId=1234&profileId=123456
```

Open the specified Entity's Role in the specified Domain Profile:

```
http://123.45.67.89:8080/WebApp/ext_request.html?entityId=123456&roleId=123&domainId=1234&profileId=123456
```

Open Workflow

Open Workflow request opens the specified Workflow View in the Standard User Runtime.

Syntax

```
http://[serverIP]:[port]/WebApp/ext_request.html?workflowId=[workflowId]&callerView=E[callerView]&domainId=[domainId]&profileId=[profileId]&workflowParam={URLencoded"[controlName1]":"[value1]",...,"[controlNameN]":"[valueN]"}
```

Parameters

workflowId

Usage: Mandatory

Definition: ID of the Workflow View to open.

callerView

Usage: Optional

Definition: ID of the Entity to open first (for the Workflow to be launched from), prefixed with **E**.

Useful in case Workflow picks up data from the Entity it was called from.

domainId

Usage: Conditional (must be specified if **profileId** is used)

Definition: ID of the Domain the target Workflow View belongs to.

Note

If **domainId** is not specified, the Domain the user is currently logged into will be considered.

If **domainId** is specified but differs from the ID of the Domain the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain will appear in the Standard User Runtime. In this case request must be re-submitted.

In case user is not currently logged in, the appropriate Domain will need to be manually selected on the Adapt Login page.

profileId

Usage: Conditional (must be specified if **domainId** is used)

Definition: ID of the Domain Profile to launch the target Workflow under.

Note

If **profileId** is not specified, the Domain Profile the user is currently logged into will be considered.

If **profileId** is specified but differs from the ID of the Domain Profile the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain Profile will appear in the Standard User



Runtime. In this case request must be re-submitted.

In case user is not logged in at the moment, the appropriate Domain Profile will need to be manually selected on the Adapt Login page.

workflowParam

Usage: Optional

Definition: Names of Workflow Controls with values to pre-populate a Workflow View in the form of URLEncoded JSON Object.

Note Workflow Controls are pre-populated with values in the same way as the values are set using a Business Object.

Note Only Control names need to be specified as the full Control path is obtained based on the ID of the Workflow View to open.

Syntax of passing the parameters depends on the type of Controls to be pre-populated:

Reference Text Box Control:

```
workflowParam={URLEncoded"[ReferenceControlName]":"[EntityId/UserId]"}
```

Alpha Text Box Control:

```
workflowParam={URLEncoded"[AlphaControlName]":"[AlphaValue]"}
```

Numeric Text Box Control:

```
workflowParam={URLEncoded"[NumericControlName]":"[NumericValue]"}
```

Note Format of the "NumericValue" inserted into a Numeric Text Box Control on a Workflow View may be different from the format specified in the request. This is caused by applying the automatic formatting according to the Numeric parsing rules.

For more information on Numeric parsing rules, refer to the [Engine Documentation\Standard component documentation\ Date, Time, Numbers Parser\DateTimeNumbers_ParsingRules](#).

Date Text Box Control:

```
workflowParam={URLEncoded"[DateControlName]":"[DateValue]"}
```

Note Format of the "DateValue" inserted into a Date Text Box Control on a Workflow View may be different from the format specified in the request. This is caused by applying the automatic formatting according to the Date parsing rules.

For more information on Date parsing rules, refer to the [Engine Documentation\Standard component documentation\ Date, Time, Numbers Parser\](#)

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[DateTimeNumbers_ParsingRules.](#)

Time Text Box Control:

```
workflowParam={URLencoded"[TimeControlName]":"[TimeValue]"}
```

Note

Format of the "TimeValue" inserted into a Time Text Box Control on a Workflow View may be different from the format specified in the request. This is caused by applying the automatic formatting according to the Time parsing rules.

For more information about Time parsing rules, refer to the [Engine Documentation\ Standard component documentation\ Date, Time, Numbers Parser\ DateTimeNumbers_ParsingRules.](#)

YesNo Text Box Control:

```
workflowParam={URLencoded"[YesNoControlName]":"[Y/N]"}
```

Code Text Box Control:

```
workflowParam= {URLencoded"[CodeControlName]":"[CodeId]"}
```

Email Text Box Control:

```
workflowParam={URLencoded"[EmailControlName]":"[EmailAddress]"}
```

URL Text Box Control:

```
workflowParam={URLencoded"[URLControlName]":"[URL]"}
```

Span Text Box Control:

```
workflowParam={URLencoded"[SpanControlName]":"[SpanValue]"}
```

Note

"SpanValue", inserted into a Span Text Box Control on a Workflow View, must be specified in Decimal Hours format.

For more information about Decimal Hours formatting in Span Text Box Controls, refer to the [Engine Documentation\ Configuration Tools documentation\ Screen Tool\ Controls\SpanTextBox_UserGuide.](#)

Social Profile Text Box Control:

```
workflowParam={URLencoded"[SocialProfileControlName]":"[SocialProfileURL]"}
```

Check Box Control:

```
workflowParam={URLencoded"[CheckBoxControlName]":"[Y/N]"}
```

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Text Area Control:

```
workflowParam={URLencoded "[TextAreaControlName] ":" [Text] "}
```

Template Control:

```
workflowParam={URLencoded "[TemplateControlName] ":" [TemplateName] "}
```

Drop Down Control:

```
workflowParam={URLencoded "[DropDownControlName] ":"  
  {  
    "entry1":{"id":"[id1]","value":"[dropDownValue1]","selected":"[true]"},  
    ...  
    "entryN":{"id":"[idN]","value":"[dropDownValueN]"}  
  }  
}
```

Example

Open the specified Workflow View:

```
http://123.45.67.89:8080/WebApp/ext_request.html?workflowId=1234567
```

Open the specified Workflow View from the specified Entity View:

```
http://123.45.67.89:8080/WebApp/ext_request.html?workflowId=1234567&callerView=E12345
```

Open the specified Workflow View from the specified Entity View under the specified Domain Profile:

```
http://123.45.67.89:8080/WebApp/ext_request.html?workflowId=1234567&callerView=E12345&domainId=1234&  
profileId=12345
```

Open the specified Workflow View from the specified Entity View and populate the following Workflow controls with values:

REFERENCEUSERControl = "10076",
ALPHAControl = "test",
NUMERICControl = "12345678.90",
DATESHORTControl = "11/06/12",
TIMESHORTControl = "9:30",
YESNOControl = "Y",
CODEControl = "1303873",
EMAILControl = "nekto@gdeto.com",
URLControl = "www.bond-adapt.co.uk",
SPANControl = "0.5",
SOCIALPROFILEControl = "http://uk.linkedin.com/pub/linkedin-control/48/378/391",
CHECKBOXControl = "Y",
TEXTAREAControl = "TextArea, TEXTarea, Text",

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TEMPLATEControl = "Blank Letter":

```
http://123.45.67.89:8080/WebApp/ext_request.html?workflowId=1234567&callerView=E12345&workflowParam={
"REFERENCEUSERControl":10076,"ALPHAControl":"test","NUMERICControl":"12345678.90","DATESHORTControl":
"11/06/12","TIMESHORTControl":"9:30","YESNOControl":"Y","CODEControl":"1303873","EMAILControl":"neкто@gde
to.com","URLControl":"www.bond-
adapt.czo.uk","SPANControl":"0.5","SOCIALPROFILEControl":"http://uk.linkedin.com/pub/linkedin-
control/48/378/391","CHECKBOXControl":"Y","TEXTAREAv":"TextArea, TEXTarea, Text","TEMPLATEControl":"Blank
Letter"}
```

the same request with encoded workflowParam:

```
http://123.45.67.89:8080/WebApp/ext_request.html?workflowId=1234567&callerView=E12345&workflowParam={
%22REFERENCEUSERControl%22%3A10076%2C%22ALPHAControl%22%3A%22test%22%2C%22NUMERICControl
%22%3A%2212345678.90%22%2C%22DATESHORTControl%22%3A%2211%2F06%2F12%22%2C%22TIMESHOR
TControl%22%3A%229%3A30%22%2C%22YESNOControl%22%3A%22Y%22%2C%22CODEControl%22%3A%221
303873%22%2C%22EMAILControl%22%3A%22neкто%40gdeto.com%22%2C%22URLControl%22%3A%22www.b
ond-
adapt.czo.uk%22%2C%22SPANControl%22%3A%220.5%22%2C%22SOCIALPROFILEControl%22%3A%22http%3A
%2F%2Fuk.linkedin.com%2Fpub%2Flinkedin-
control%2F48%2F378%2F391%22%2C%22CHECKBOXControl%22%3A%22Y%22%2C%22TEXTAREAControl%22%
3A%22TextArea%2C%20TEXTarea%2C%20Text%22%2C%22TEMPLATEControl%22%3A%22Blank%20Letter%22}
```

Open the specified Workflow View from the specified Entity and populate DropDown control with the following values:

entry1: id=12345, value=value1;

entry2: id=12345, value=value2 – set as default in the DropDown:

```
http://123.45.67.89:8080/WebApp/ext_request.html?workflowId=1234567&callerView=E12345&workflowParam={
"DropDown1":{"entry1":{"id":"12345","value":"value1"},"entry2":{"id":"12345","value":"value2","selected":"true"
}}}
```

the same request with encoded workflowParam:

```
http://123.45.67.89:8080/WebApp/ext_request.html?workflowId=1234567&callerView=E12345&workflowParam={
%22DropDown1%22:%7B%22entry1%22:%7B%22id%22:%2212345%22,%22value%22:%22value1%22%7D,%2
2entry2%22:%7B%22id%22:%2212345%22,%22value%22:%22value2%22,%22selected%22:%22true%22%7D
%7D}
```

Run BO

Run **BO** request invokes the specified Business Object.

Syntax

```
http://[serverIP]:[port]/WebApp/ext_request.html?processId=[processId]&callerView=E[callerView]&domainId=[domainId]&profileId=[profileId]&boParam={URLencoded"[boParam1]":"[value1]",...,"[boParamN]":"[valueN]"}
```

Parameters

processId

Usage: Mandatory

Definition: ID of the Business Object to execute

callerView

Usage: Optional

Definition: ID of the Entity to open first prefixed with **E**.

Useful in case Business Object picks up Entity related data.

domainId

Usage: Conditional (must be specified if **profileId** is used)

Definition: ID of the Domain the target Business Object belongs to.

Note

If **domainId** is not specified, the Domain the user is currently logged into will be considered.

If **domainId** is specified but differs from the ID of the Domain the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain will appear in the Standard User Runtime. In this case request must be re-submitted.

In case user is not currently logged in, the appropriate Domain will need to be manually selected on the Adapt Login page.

profileId

Usage: Optional

Definition: ID of the Domain Profile to launch the target Business Object under.

Note

If **profileId** is not specified, the Domain Profile the user is currently logged into will be considered.

If **profileId** is specified but differs from the ID of the Domain Profile the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain Profile will appear in the Standard User

Runtime. In this case request must be re-submitted.

In case user is not logged in at the moment, the appropriate Domain Profile will need to be manually selected on the Adapt Login page.

boParam

Usage: Optional

Definition: Names of the Business Objects Parameters with values to pass into the Business Object. BO Parameters are passed in the form of an URLencoded JSON Object.

Note `_PARAM(index)` macros is used to get externally provided parameters within a Business Object:
`_PARAM(1)` corresponds to the "boParam1" and so forth.

Example

Execute the specified Business Object:

```
http://123.45.67.89:8080/WebApp/ext_request.html?processId=1234567
```

Execute the specified Business Object from the specified Entity View:

```
http://123.45.67.89:8080/WebApp/ext_request.html?processId=1234567&callerView=E12345
```

Execute the specified Business Object from the specified Entity View under the specified Domain Profile:

```
http://123.45.67.89:8080/WebApp/ext_request.html?processId=1234567&callerView=E12345&domainId=1234&profileId=123456
```

Execute the specified Business Object from the specified Entity View and passes the following parameters to the Business Object:

```
http://123.45.67.89:8080/WebApp/ext_request.html?processId=7006902&callerView=E10635&boParam={"boParam1":"Some Text","boParam2":"12345.25","boParam3":"12/06/2012"}
```

the same request with encoded boParam:

```
http://123.45.67.89:8080/WebApp/ext_request.html?processId=1234567&callerView=E12345&boParam={%22boParam1%22:%22Some%20Text%22,%22boParam2%22:%2212345.25%22,%22boParam3%22:%2212/06/2012%22}
```

Import CV

Import CV request passes a CV file(s) stored locally or on the external website to the CV Import module that will further download and parse information contained within that file(s).

Import CV can be used to reference several files. In this case separate sequential requests must be submitted (separate the requests with **Enter** key) and the last request URL must contain **lastInList** parameter set to "true" in order to initiate their processing.

Note CV Import module will start processing the referenced files only after receiving the **lastInList** parameter in the request string regardless of how many files are referenced.

Syntax

```
http://[serverIP]:[port]/WebApp/ext_request.html?cvURL=[encodedURL/encodedFilePath]&lastInList=[true]&linkedServer=[linkedServer]&domainId=[domainId]&profileId=[profileId]
```

Parameters

cvURL

Usage: Mandatory

Definition: **Encoded path** to the local file in the **file:///** or **file://** format, or **encoded URL** to the file stored on the external website in the **http://** format.

lastInList

Usage: Mandatory (must be used in the request string of the last referenced file)

Definition: Indicates whether current URL is the last one to be passed to CV Import module or not. If not specified, it will be considered as "false", and CV Import module will not parse the referenced files. Parsing will start only upon receiving the **lastInList** parameter explicitly set to "true".

linkedServer

Usage: Conditional (must be used if **cvURL** contains path to the file stored on the external website in the **http://** format)

Definition: Name of the linked server.

Note

When **linkedServer** parameter is used, the file's URL will be passed to the specified linked server first in order to verify that file to be downloaded is not harmful. The ADAPT_AUTH and ADAPT_SSN parameters get automatically appended to the download URL, so that the linked server can authenticate the received request.

After the downloaded file passes verification, linked server transfers it to the application server for further processing by CV Import module.

For more information about Linked Servers, refer to the [Engine Documentation\Linked Server\AdaptLinkedServers_UserGuide](#).

domainId

Usage: Conditional (must be specified if **profileId** parameter is used)

Definition: ID of the Domain the CV will be imported to.

Note

If **domainId** is not specified, the Domain the user is currently logged into will be considered.

If **domainId** is specified but differs from the ID of the Domain the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain will appear in the Standard User Runtime. In this case request must be re-submitted.

In case user is not currently logged in, the appropriate Domain will need to be manually selected on the Adapt Login page.

profileId

Usage: Conditional (must be specified if **domainId** parameter is used)

Definition: ID of the Domain Profile the CV will be imported to.

Note

If **profileId** is not specified, the Domain Profile the user is currently logged into will be considered.

If **profileId** is specified but differs from the ID of the Domain Profile the user is currently logged into, the request will be refused and the message box asking to log off the Adapt in order to log in back to the correct Domain Profile will appear in the Standard User Runtime. In this case request must be re-submitted.

In case user is not logged in at the moment, the appropriate Domain Profile will need to be manually selected on the Adapt Login page.

Example

Pass a single file stored on the external website (<http://test.com/CV1.doc>) to the CV Import module through the linked server:

```
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=http%3A%2F%2Ftest.com%2FCV1.doc&lastInList=true&linkedServer=Server1
```

Pass a list of files stored on the external website: <http://test.com/CV1.doc>, <http://test.com/CV2.doc>, <http://test.com/CV3.doc> to the CV Import module (Enter button must be clicked after each request entering):

```
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=http://test.com/CV1.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=http://test.com/CV2.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=http://test.com/CV3.doc &lastInList=true
```

the same request with encoded URL:

```
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=http%3A%2F%2Ftest.com%2FCV1.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=http%3A%2F%2Ftest.com%2FCV2.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=http%3A%2F%2Ftest.com%2FCV3.doc&lastInList=true
```

Pass a single locally stored file (file://d:/CV.doc) to the CV Import module:

```
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=file%3A%2F%2Fd%3A%2FCV.doc&lastInList=true
```

Pass a list of locally stored files: file:///d:/CV1.doc, file:///d:/CV2.doc, file:///d:/CV3.doc to the CV Import module (**Enter** key must be clicked after each request entering):

```
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=file:///d:/CV1.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=file:///d:/CV2.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=file:///d:/CV3.doc&lastInList=true
```

the same request with encoded path:

```
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=file%3A%2F%2F%2Fd%3A%2FCV1.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=file%3A%2F%2F%2Fd%3A%2FCV2.doc  
http://123.45.67.89:8080/WebApp/ext_request.html?cvURL=file%3A%2F%2F%2Fd%3A%2FCV3.doc&lastInList=true
```