



## Permalinks

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## Variable Parameters in a Permalink

You can apply variable parameters on the fields or on the display name of a field, and on the parameters.



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**Note** Permalinks with filters specified in the URL (also known as Variable Permalinks) are by default authenticated for reports. You can uncheck the **Authenticate Permalink > Variable** check box to unauthenticate the variable permalink. Variable Permalinks do not support Excel and XML formats.

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**Note** You must not include both fields and parameters at the same time in a permalink.

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You can explicitly specify the filtering criteria by using either fields or parameters in a permalink to display the changed report data.

### Format of the Parameters and Fields in a Permalink

You can include variable parameters to the default permalink using the following format:

`<variable_param_name> or <field name>=<operator><space><value><space><value>`

`<variable_param_name>` can be either the field name or parameter name as configured in the report definition of the report.

`<value>` is any valid value for the configured field.

To include multiple variable parameters in a permalink URL, use an & (ampersand) between two variable parameters.



**Note** The permalink with the variable parameter is one single URL. Do not break it into different lines. In this example, the URL is broken to explain the concept of variable parameters. You can have a space only between an operator and a value.

### Parameters

You can apply the variable parameters only on the parameter name for anonymous-block-based and stored-procedure-based reports.

Parameters are created from a stored procedure or an anonymous block.

#### Example: Permalink with parameters

This example shows how you can include `@start_date`, `@end_date`, and `@agent_list` parameters to change the report data shown by a default permalink based of the values that are passed to these parameters.

#### Default permalink

```
//localhost:8444/cuicui/permalink/?
viewId=5BC22D1C1000013C61E3571D0A4E5AF5&linkType=htmlType&viewType=Grid
```

#### Parameter name 1:

```
&@start_date=ABSDATE 11-01-2012 00:00:00
```

#### Parameter name 2:

```
&@end_date=ABSDATE 01-21-2013 23:59:59
```

#### Parameter name 3:

```
&@agent_list=14527,14537
```

### Fields

You can apply the variable parameters on a field name or its display name for a database-query-based report.

Fields are created from a database query.

#### Example: Permalink with fields

This example shows how you can include variable parameters to a permalink URL based on the fields `EventTime` and `User` to change the report data shown by a default permalink based of the values that are passed to these fields.

#### Default permalink

```
//localhost:8444/cuicui/permalink/?
viewId=5BC22D1C1000013C61E3571D0A4E5AF5&linkType=htmlType&viewType=Grid
```

#### Field name 1:

```
&EventTime=ABSDATE 11-01-2012 01-21-2013 00:00:00-23:59:59 MON,WED
```

#### Field name 2:

```
&User=VL CUIC%5Cadministrator
```

The EventTime field retrieves the report data based on the absolute date value **ABSDATE 11-01-2012 01-21-2013 00:00:00-23:59:59 MON,WED**.

The User field retrieves the report data based on the value **&User=VL CUIC%5Cadministrator**.

- **&** is the separator that separates two variable parameters.
- *User* is the second field.
- *VL* is the second operator that works on the values CUIC%5Cadministrator.
- **CUIC%5Cadministrator** is the value that is passed to the User field.

## Supported Operators for Fields

This section describes the supported operators for fields in a permalink:

For all data types, after an operator, specify the field ID as the value. For example, if the ID of IPCC\_1.2000001 filter field is 1000, specify this ID in the variable permalink as **&SkillTargetID=LIKE 1000**.



**Note** Do not specify the field name as the value.

Data Type	Supported Operators	Example
DECIMAL	<b>EQ</b> Equal to <b>NEQ</b> Not equal to <b>LT</b> Less than <b>LEQ</b> Less than or equal to <b>GT</b> Greater than <b>GEQ</b> Greater than or equal to <b>BTWN</b> Between	&agents_logged_on=LEQ 9.0

Data Type	Supported Operators	Example
STRING	<b>EQ</b> Equal to <b>NEQ</b> Not equal to <b>%</b> Matches the pattern	<pre>&amp;agent_team_name=LIKE%20%25IPCC_1%25</pre> <p><b>Note</b> Ensure to URL encode the special characters in variable permalinks.</p>
DATETIME	RELATIVE DATE ABSOLUTE DATE	<p><b>Relative Date</b></p> <pre>&amp;EventTime=RELDATE THISMONTH 09:00:00-23:59:00 MON,TUE,WED,THU,FRI</pre> <p><b>Absolute Date</b></p> <pre>&amp;DateTime=ABSDATE 12-31-2008 12-06-2012 09:00:00-23:59:00 MON,TUE,WED,THU,FRI</pre>

#### For all other operators

The following other operators can take more than two parameters depending on what you want to configure:

Format:

<date\_type\_param\_name>=

<date\_op><space><value\_1>

<space><value\_2><space><value\_3>

#### RELDATE

Relative date values: Today, Yesterday, This Week, Last Week, This Month, Last Month, Year to Date, and Last Year

#### <Relative\_Date>

Can be any one of these: TODAY, YESTERDAY, THISWEEK, LASTWEEK, THISMONTH, LASTMONTH, YEARTODATE, and LASTYEAR.

#### <from\_timestamp>-<to\_timestamp>

Timestamp in 24 hour format indicating both start time and end time separated by a hyphen (-)  
hh:mm:ss-hh:mm:ss

#### <weekdays>

Comma separated values indicating days of a week based on which the report data is retrieved. For example, MON,TUE,WED, and so on.

For example:

```
EventTime=RELDATE LASTMONTH 00:00:00-23:59:59 TUE,THU,SAT
```




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**Note** You can have `<Weekdays>` only when you have `<from_timestamp>-<to_timestamp>`. When you configure days, you must always configure the timestamp. **Example:** `EventTime=RELDATE LASTMONTH 00:00:00-23:59:59 TUE,THU,SAT`

In case of RELDATE and ABSDATE, if weekdays are not provided to the `<weekdays>` parameter then the default value is used, that is, MON, TUE, WED, THU,FRI, SAT, and SUN.

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### ABSDATE

Absolute date requires the following parameters:

#### `<from_date>`

Date in the format: MM-DD-YYY

#### `<to_date>`

Date in the format: MM-DD-YYY

#### `<from_timestamp>-<to_timestamp>`

Timestamp in 24 hour format indicating both start time and end time separated by a hyphen (-)  
hh:mm:ss-hh:mm:ss

#### `<weekdays>`

Comma separated values indicating days of a week based on which the report data is retrieved. For example, MON,TUE,WED, and so on.

For example:

`EventTime=ABSDATE 12-21-2012 01-07-2013 00:00:00-23:59:59 MON,TUE,WED`




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**Note** `<from_date>` and `<to_date>` are mandatory.  
`<from_timestamp>` and `<to_timestamp>` are optional.

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**Note** For all parameters that take boolean values, TRUE and FALSE are the valid values.

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## Supported Operators for Parameters

Operators	Values	Description	Example
RELDATE	It is the Relative date.		
	<value_1>	<value_1> can be any of the following: TODAY, YESTERDAY, THISWEEK, LASTWEEK, THISMONTH, LASTMONTH, YEARTODATE, LASTYEAR	<b>Option 1</b> @param1=RELDATE THISMONTH&@param2=RELDATE THISMONTH For example: @startDate=RELDATE THISMONTH&@endDate=RELDATE THISMONTH <b>Option 2:</b> @param1=RELDATE THISMONTH For example: @startDate=RELDATE THISMONTH <b>Option 3:</b> @param2=RELDATE THISMONTH For example: @endDate=RELDATE THISMONTH
	<value_2>	Timestamp in hh:mm:ss format	For example: @startDate=RELDATE TODAY 00:00:00
ABSDATE	It is the Absolute date.		
	<value_1>	date in the format: MM-DD-YYYY	
	<value_2>	Timestamp in hh:mm:ss format.	For example: @endDate=ABSDATE 12-21-2012 01-07-2013 00:00:00-23:59:59 MON,TUE,WED

## Collections as Variables in Report Permalinks

You can use collection names as a variable parameter in a permalink provided you have the right permissions to the collections.




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**Note** Permalinks with variable parameters are always authenticated irrespective of the check box **Enable Unauthenticated Access** being checked or not.

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**Note** If you do not provide specific collection names after the =CL keyword, the report will be filtered using all the collections that the user has permissions for. The user in this case is the person using the permalink.

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### Format of the Permalink URL as collection variable for SQL based Report Definition

Permalink URL &<field name>=CL<white space>Collection 1,Collection 2.

#### Example

```
https://localhost:8444/cuic/permalink/PermalinkViewer.htmx?
viewId=65FB26481000013F000000250A8E79F3&linkType=htmlType&viewType=Grid
&EventTime=RELDATE%20TODAY%2009:00:00-23:59:00&User=CL
TestColl_FF_15201,TestColl_FF_7066
```

In the above URL, &User is the name of the field and TestColl\_FF\_15201 and TestColl\_FF\_7066 are collection names separated by commas.

### Format of the Permalink URL as collection variable for Stored Procedure or Anonymous Block Report Definition

Permalink URL &<parameter name>=CL<whitespace>Collection 1,Collection 2.

#### Example

```
https://localhost:8444/cuic/permalink/PermalinkViewer.htmx?
viewId=25DE58941000012E63BCDF340A591C3A&linkType=htmlType&viewType=Grid
&refreshRate=3600&@start_date=ABSDATE 05-03-2010 00:00:00&@end_date=ABSDATE 01-03-2014
23:59:00&@team_list=CL TestColl_FF_15201,TestColl_FF_7066
```

In the above URL, &@team\_list is the name of the parameter and TestColl\_FF\_15201 and TestColl\_FF\_7066 are collection names separated by commas.

