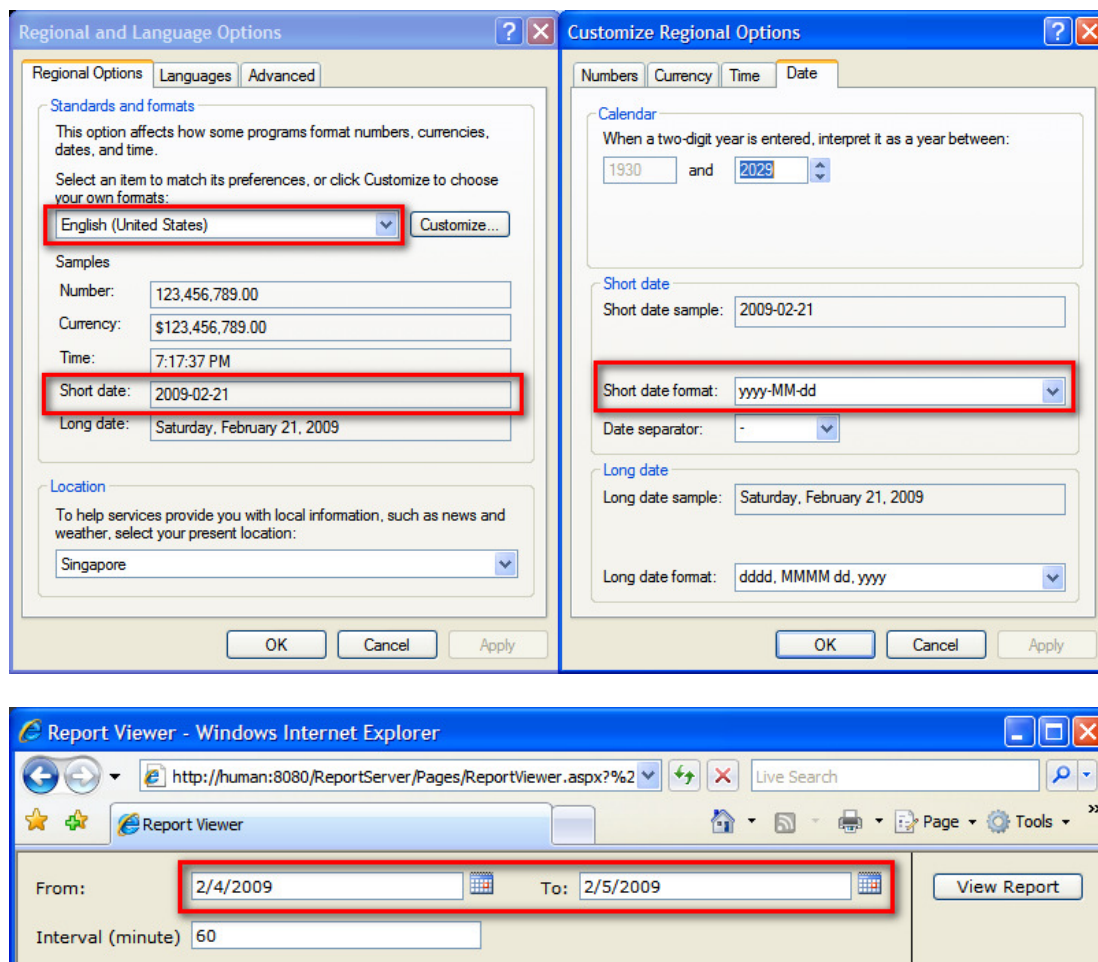


Date/Time Format Setting for Reporting Service

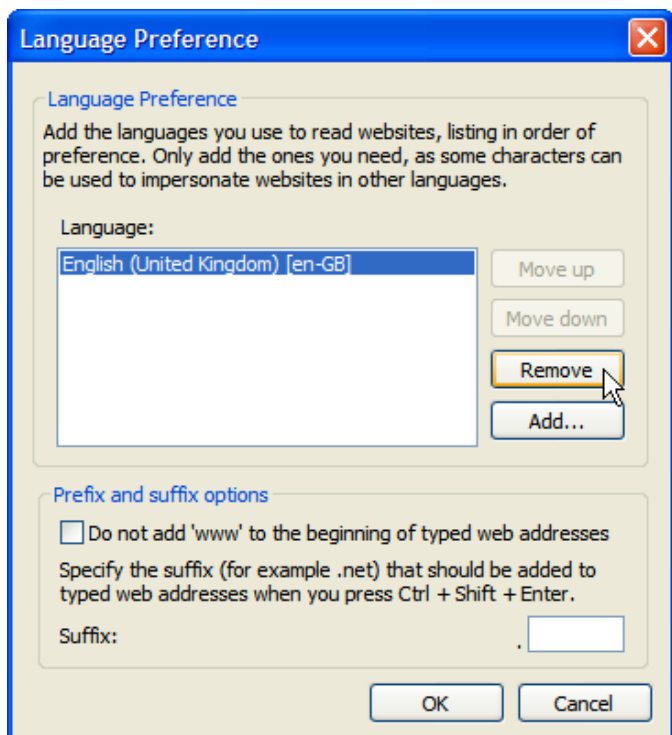
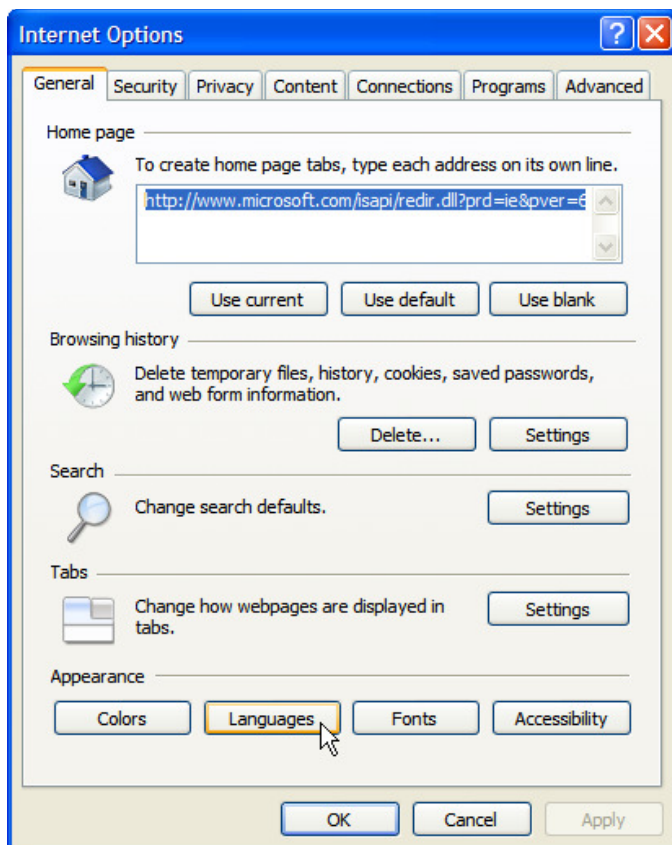
Saturday, February 21, 2009

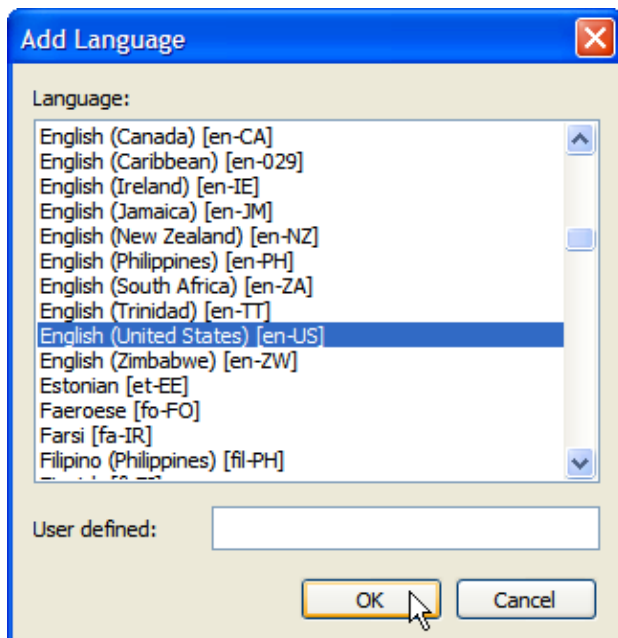
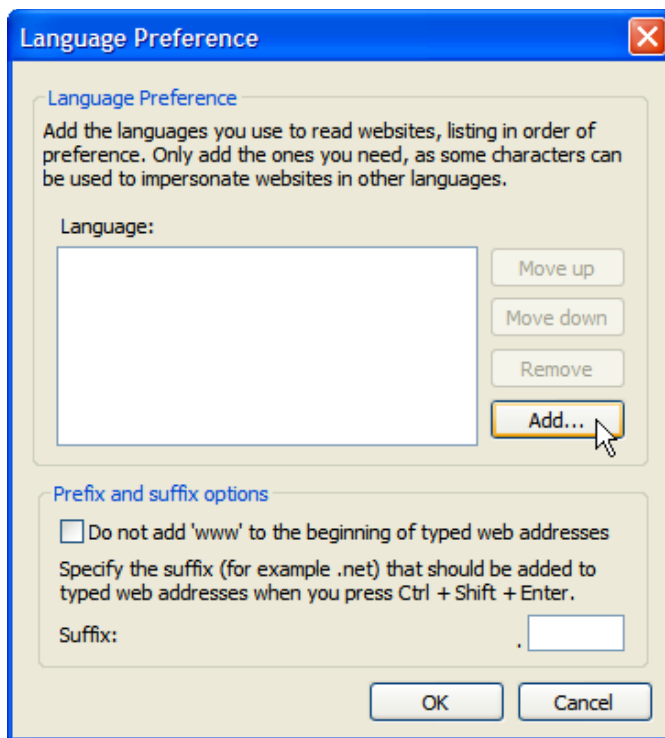
6:47 PM

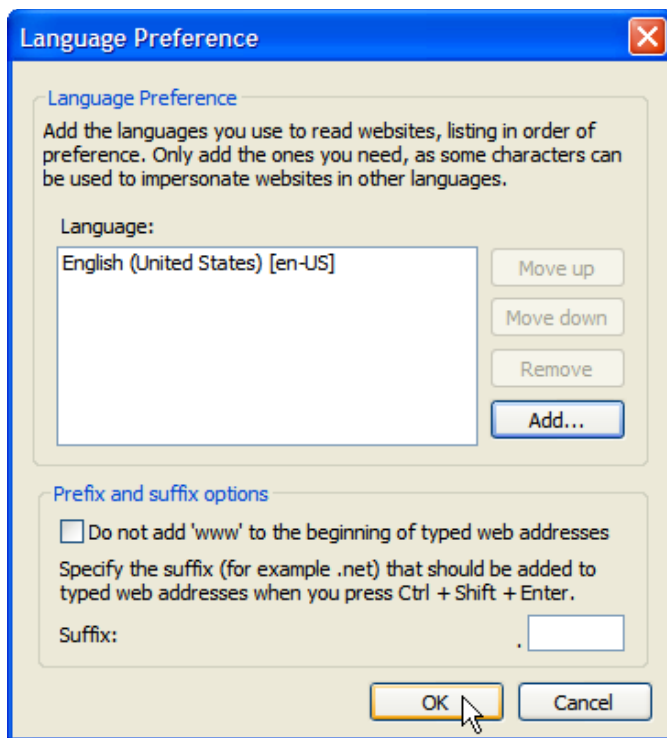
- If generating report from web browser, when validating datetime parameters, the web interface looks at the browser's regional setting, rather than the local specified in the report or on the server.
- And the date format shown on the browser report viewer toolbar parameter control box will follow the default short date format of culture that is set in the browser language setting, instead of customized short date format setting in OS control panel.



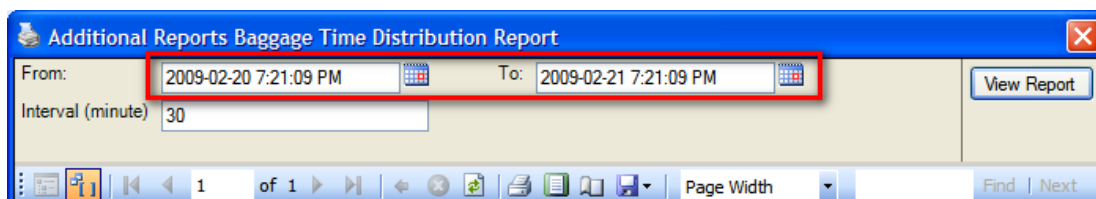
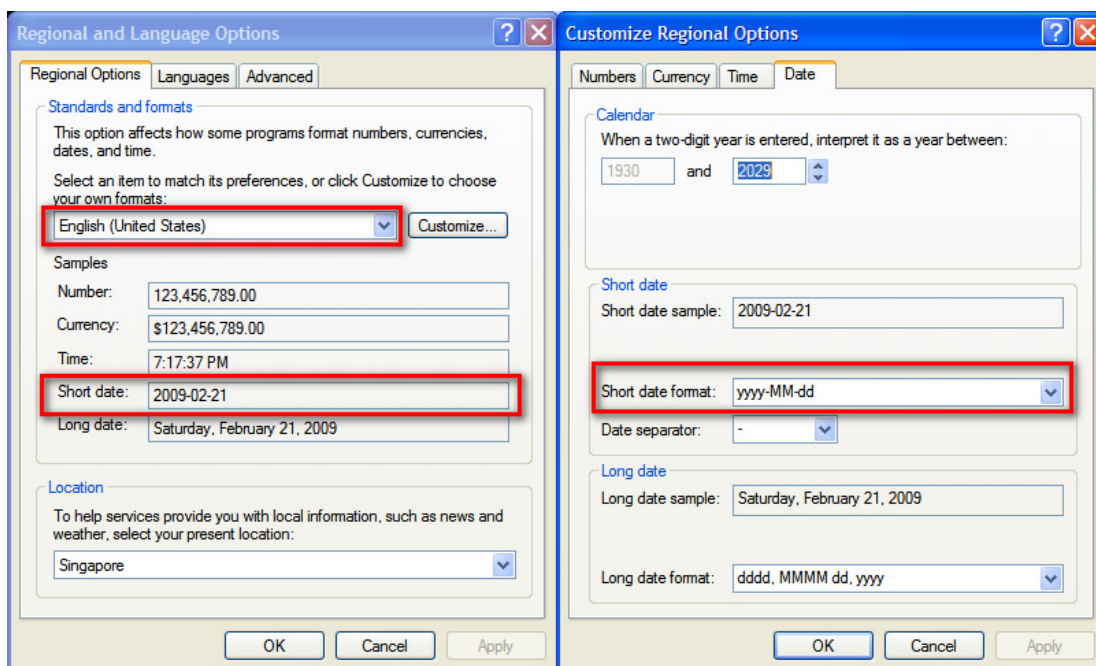
Hence, the Language setting in browser has to be same as the regional setting of local computer in the control panel .







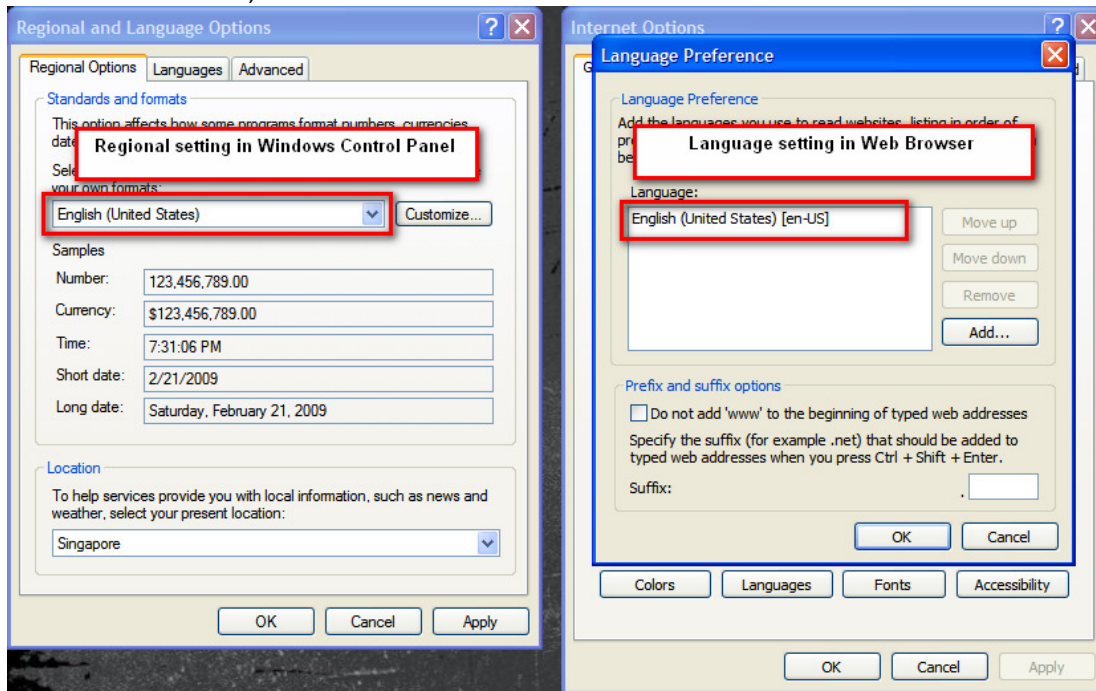
- If generating report from IREL.ReportViewer, the date format displayed on the tool bar datetime parameter control will follow current OS customized short date format, instead of current language setting.



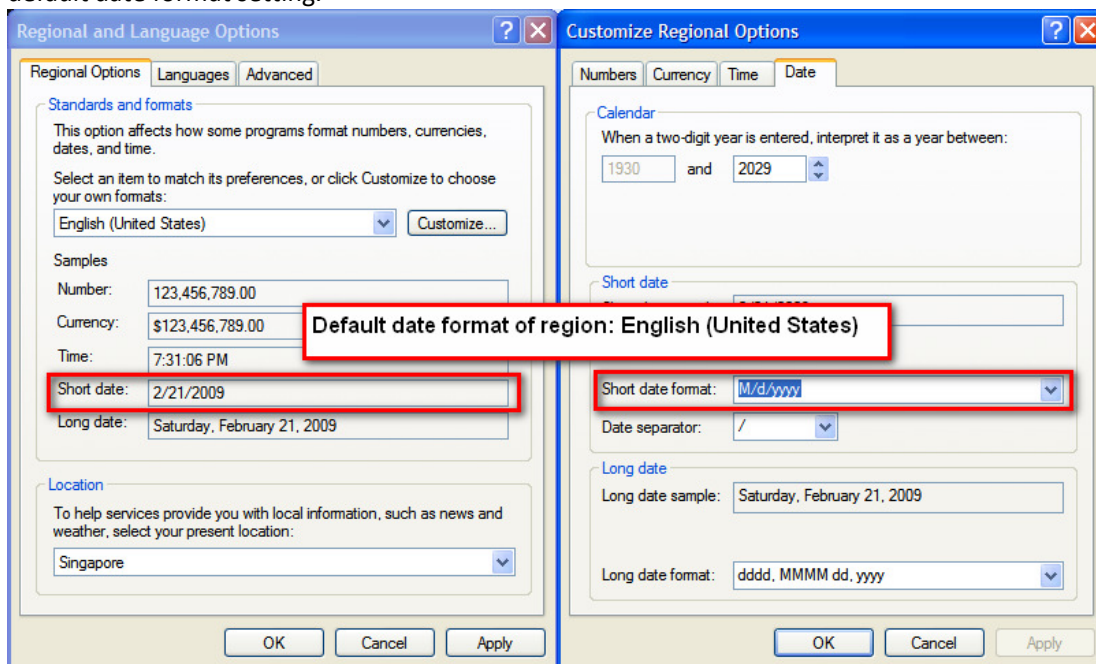
Recommendation for Report Date/Time Format Synchronization

In order to make sure the report previews have the identical date format display on both PALS.ReportViewer and Web browser, following recommendations need to be followed:

1. Make sure both OS regional and language setting in the control panel and language setting of web browser are identical;



2. Do not change customize the date format setting of selected region in OS control panel, just use the its default date format setting.



3. Instead of hard code the datetime format string in the report template, use a hidden report parameter to receive it from IREL.ReportViewer application. And use it for all date/time values need to be displayed on the report body.

Report Parameter Properties

General

Available Values

Default Values

Advanced

Change name, data type, and other options.

Name: DFormat

Prompt: Date Format

Data type: Text

☐ Allow blank value ("")

☐ Allow null value

☐ Allow multiple values

Select parameter visibility:

☐ Visible

☒ Hidden

☐ Internal

Help OK Cancel

Report Parameter Properties

General

Available Values

Default Values

Advanced

Change name, data type, and other options.

Name: TFormat

Prompt: Time Format

Data type: Text

☐ Allow blank value ("")

☐ Allow null value

☐ Allow multiple values

Select parameter visibility:

☐ Visible

☒ Hidden

☐ Internal

Help OK Cancel

Report Data

New Edit... X

Built-in Fields

Parameters


- @ DTFrom
- @ DTTo
- @ IntervalMin
- @ DFormat
- @ TFormat


«Expr» Baggage Distribution Report		Date : «Expr» Time : «Expr» Page : «Expr»
From : «Expr» Interval : [@IntervalMin]	To : «Expr»	
«Expr»	«Expr»	
Start Time	End Time	Count
«Expr»	«Expr»	ot_num]
		Total: tot_num]]

Placeholder Properties

Change label, value, and markup options.

Label:

Value: «Expr» 

Tooltip: 

Markup type

☒ None - Plain text only

☐ HTML - Interpret HTML tags as styles

Help OK Cancel

Date only data:

Expression

Set expression for: Value

=Format(Now(), Parameters!DFormat.Value)

Category:

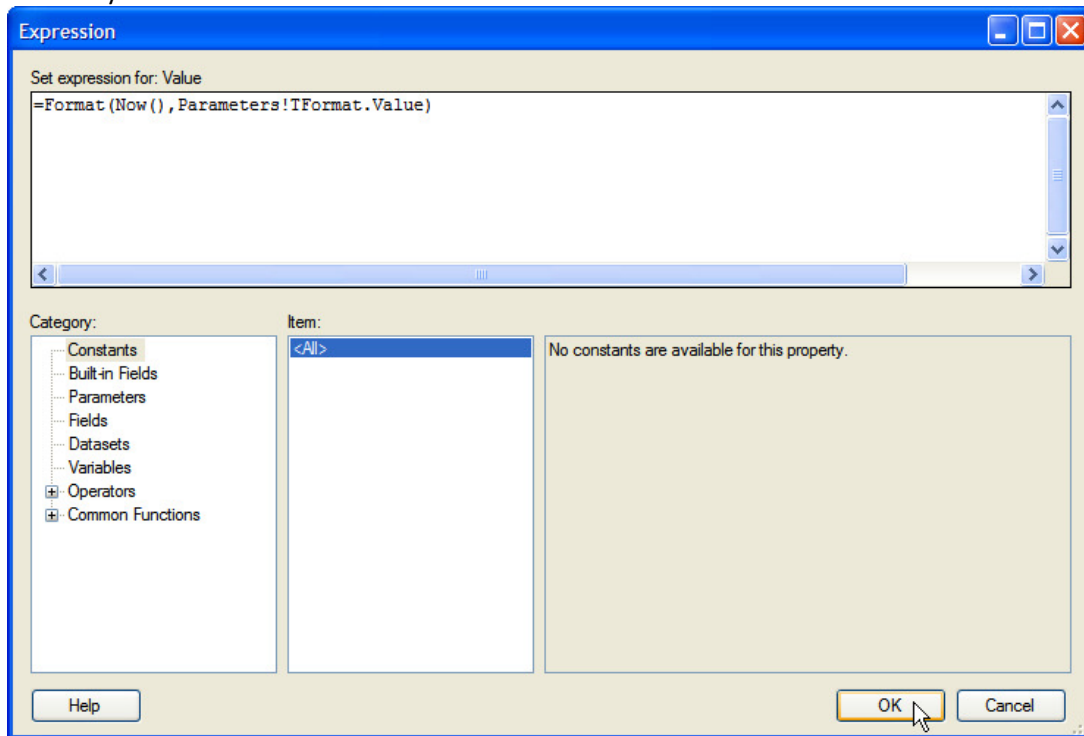
- Constants
- Built-in Fields
- Parameters
- Fields
- Datasets
- Variables
- Operators
- Common Functions

Item: <All>

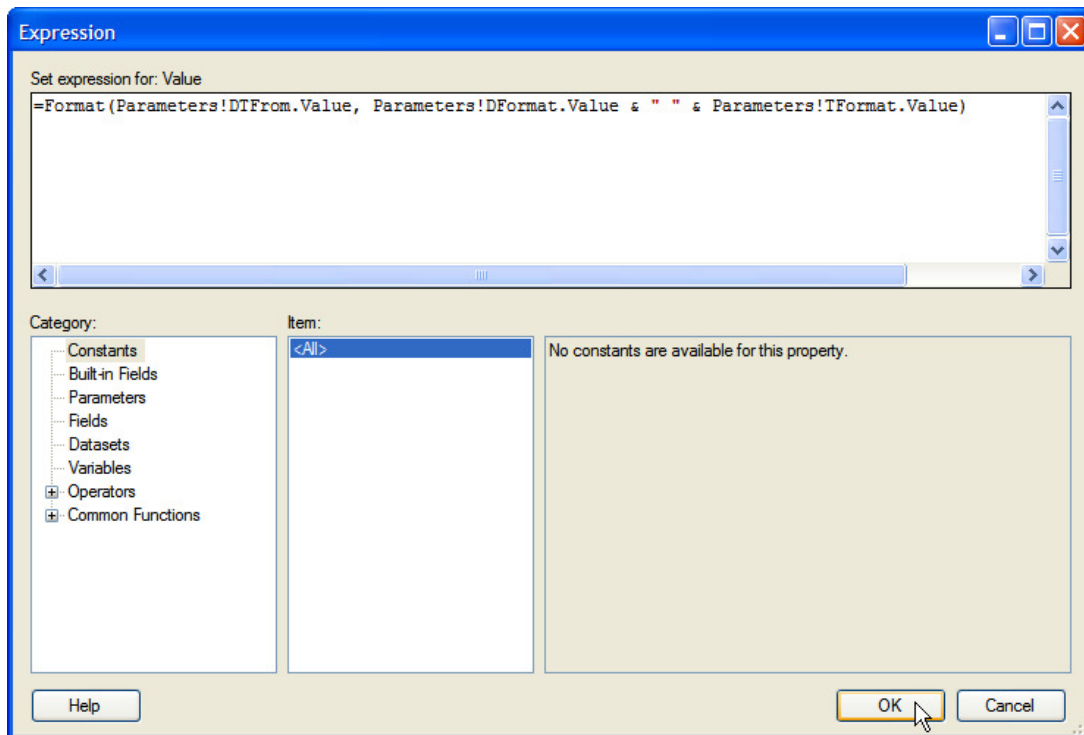
No constants are available for this property.

Help OK Cancel

Time only data:



Date & Time Data:



IREL.ReportViewer application will check the local computer culture date/time format and pass to selected report template. In this case, the default value of report parameters will not be used.

4. In order to pass value to this report hidden parameter when generating report in web browser, the default value needs to be set for hidden parameter.
 - a. Store default date and time format string into BHSDB.SYS_CONFIG table as below:


```
-- Parameters for generating report in web browser
INSERT INTO [dbo].[SYS_CONFIG]
([SYS_KEY],[SYS_VALUE],[DEFAULT_VALUE],[LAST_VALUE],[DESCRIPTION],[VALUE_TOKEN],[SYS_ACTION],[GROUP_NAME],[ORDER_FLAG],[IS_ENABLED])
VALUES ('DEFAULT_DATE_FORMAT','dd/MM/yyyy','dd/MM/yyyy','dd/MM/yyyy','Default date format for report hidden parameter.',NULL,NULL,NULL,NULL,1)
```


- ```

INSERT INTO [dbo].[SYS_CONFIG]
([SYS_KEY],[SYS_VALUE],[DEFAULT_VALUE],[LAST_VALUE],[DESCRIPTION],[VALUE_TOKEN],[SYS_A
CTION],[GROUP_NAME],[ORDER_FLAG],[IS_ENABLED])
VALUES ('DEFAULT_TIME_FORMAT','hh:mm:ss tt','hh:mm:ss tt','hh:mm:ss tt','Default time
format for report hidden parameter.',NULL,NULL,NULL,NULL,1)

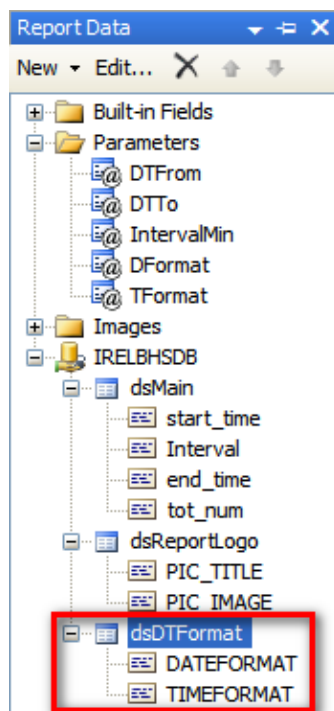
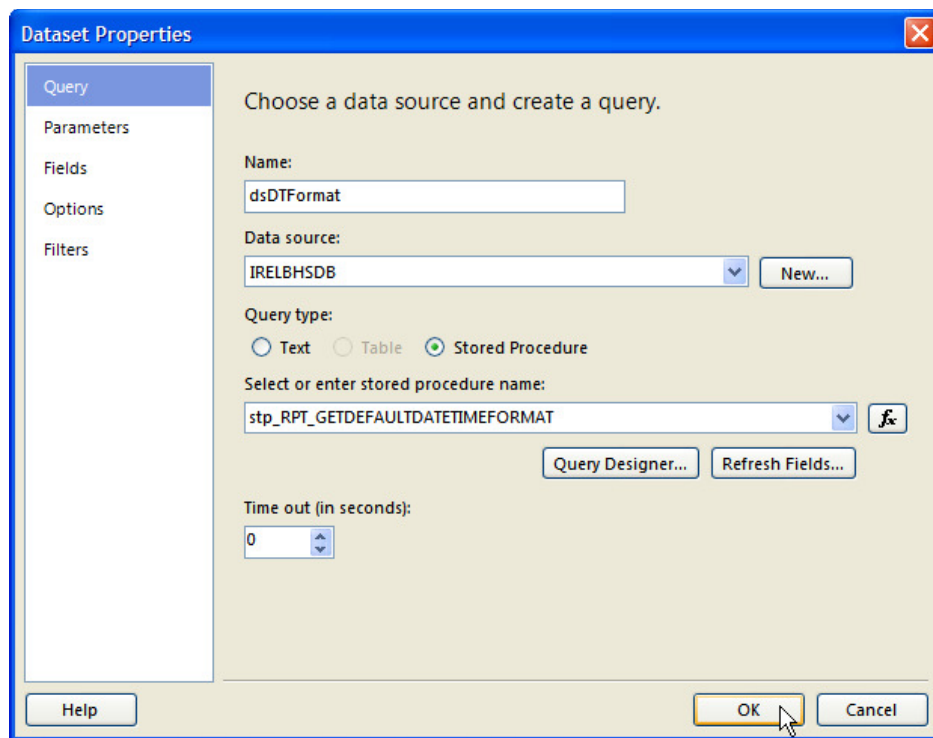
```
- b. Create a stored procedure [stp\_RPT\_GETDEFAULTDATETIMEFORMAT] as below
- ```

-- ***** Object: StoredProcedure [dbo].[stp_RPT_GETDEFAULTDATETIMEFORMAT]   Script
Date: 10/27/2007 13:18:36 *****
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
IF EXISTS (SELECT * FROM sys.objects WHERE object_id =
OBJECT_ID(N'[dbo].[stp_RPT_GETDEFAULTDATETIMEFORMAT]')
AND type in (N'P', N'PC'))
BEGIN
    PRINT 'INFO: Deleting existing StoredProcedure
[stp_RPT_GETDEFAULTDATETIMEFORMAT]...'
    DROP PROCEDURE [dbo].[stp_RPT_GETDEFAULTDATETIMEFORMAT]
END
GO
PRINT 'INFO: Creating StoredProcedure [stp_RPT_GETDEFAULTDATETIMEFORMAT]...'
GO
CREATE PROCEDURE [dbo].[stp_RPT_GETDEFAULTDATETIMEFORMAT]
AS
BEGIN
    DECLARE @DFormat VARCHAR(15);
    DECLARE @TFormat VARCHAR(15);

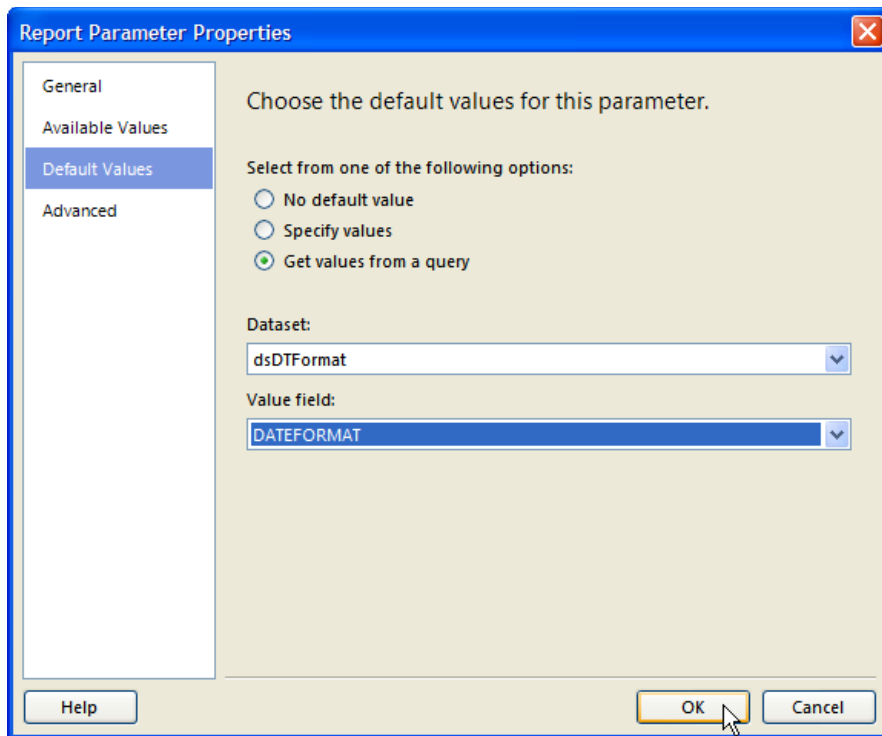
    SELECT @DFormat = [SYS_VALUE] FROM [SYS_CONFIG] WHERE [SYS_KEY] =
'DEFAULT_DATE_FORMAT';
    SELECT @TFormat = [SYS_VALUE] FROM [SYS_CONFIG] WHERE [SYS_KEY] =
'DEFAULT_TIME_FORMAT';

    SELECT @DFormat AS [DATEFORMAT], @TFormat AS [TIMEFORMAT];
END
GO

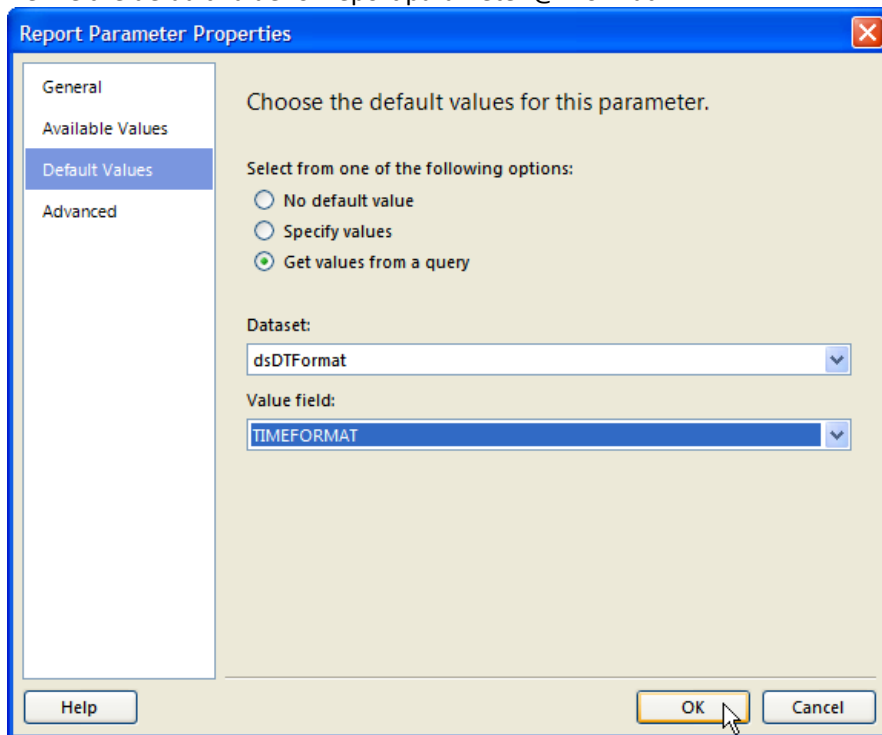
```
- c. Define a new RecordSet (dsDTFormat) in those report templates that need display date/time value on the reports.
-



- d. Define the default value for report parameter @DFormat



- a. Define the default value for report parameter @TFormat



In this case, the default value of report parameters will be used. Hence, the format string inserted into [SYS_CONFIG] table need to be same as the local computer current culture short date and time format.

5. In order to display 2-digit hour, minute and second value, the time format can be set as below:

