STORED PROCEDURES REFERENCE DOCUMENTATION

Project 6

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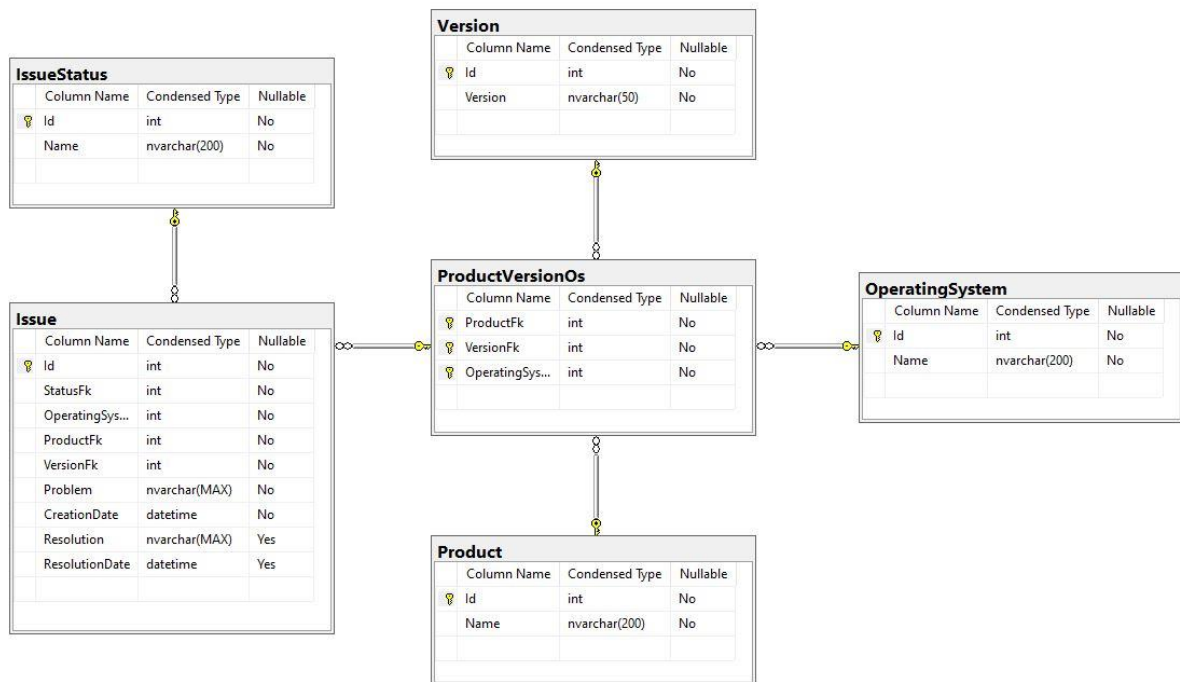
Contents

General Information

Database Diagram

Stored Procedure Extension Class

In the Example Calls in this documentation an Extension class is used to make the calls easy and clean. The class used can be found on Github:
https://github.com/nicolasiten/DbStoredProcedures/blob/master/DbStoredProcedures/Data/Extensions/EfCoreStoredProcedureExtension.cs

Stored Procedure Return Structure

All Stored Procedures return data in the following structure:

Name	Field	SQL Datatype
IssueId	Issue.Id	Int
Problem	Issue.Problem	Nvarchar(Max)
CreationDate	Issue.CreationDate	Datetime
Resolution	Issue.Resolution	Nvarchar(Max) NULL
ResolutionDate	Issue.ResolutionDate	Datetime NULL
ProductId	Product.Id	Int
ProductName	Product.Name	Nvarchar(200)
OsId	OperatingSystem.Id	Int
OsName	OperatingSystem.Name	Nvarchar(200)
VersionId	Version.Id	Int
Version	Version.Version	Nvarchar(50)
IssueStatusId	IssueStatus.Id	Int
IssueStatusName	IssueStatus.Name	Nvarchar(200)

In the Example Calls the data will be casted to a List object of the following class:
https://github.com/nicolasiten/DbStoredProcedures/blob/master/DbStoredProcedures/Data/IssueStoredProcedureResult.cs

01 GetAllIssues

Description

This Stored Procedure returns all issues filtered by the Resolved Flag in the Issue Table.

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean

Example Call

```csharp
var issues = await IssueTrackerContext.LoadStoredProc("GetAllIssues")
    .WithSqlParam("Resolved", resolved)
    .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

02 GetAllIssuesByProductName

Description

This Stored Procedure returns all issues filtered by the Resolved Flag and the Product Name.

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String

Example Call

```csharp
var issues = await IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductName")
    .WithSqlParam("Resolved", resolved)
    .WithSqlParam("ProductName", productName)
    .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

03 GetAllIssuesByProductNameVersion

Description

This Stored Procedure returns all issues filtered by the Resolved Flag, Product Name and Version.

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String
Version	Nvarchar(50)	String

Example Call

```csharp
var issues = await
IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductNameVersion")
    .WithSqlParam("Resolved", resolved)
    .WithSqlParam("ProductName", productName)
    .WithSqlParam("Version", version)
    .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

04 GetAllIssuesByProductNameDateRange

Description

This Stored Procedure returns all issues filtered by the Resolved Flag, Product Name and a Date Range (Creation Date).

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String
DateFrom	Datetime	Datetime
DateTo	Datetime	Datetime

Example Call

```csharp
    var issues = await
IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductNameDateRange")
        .WithSqlParam("Resolved", resolved)
        .WithSqlParam("ProductName", productName)
        .WithSqlParam("DateFrom", fromDate)
        .WithSqlParam("DateTo", toDate)
        .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

05 GetAllIssuesByProductNameVersionDateRange

Description

This Stored Procedure returns all issues filtered by the Resolved Flag, Product Name, Version and a Date Range (Creation Date).

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String
Version	Nvarchar(50)	String
DateFrom	Datetime	Datetime
DateTo	Datetime	Datetime

Example Call

```csharp
    var issues = await
IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductNameVersionDateRange")
        .WithSqlParam("Resolved", resolved)
        .WithSqlParam("ProductName", productName)
        .WithSqlParam("Version", version)
        .WithSqlParam("DateFrom", fromDate)
        .WithSqlParam("DateTo", toDate)
        .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

06 GetAllIssuesByKeyWords

Description

This Stored Procedure returns all issues filtered by the Resolved Flag and a comma separated list of Key Words (example: "keyword1,keyword2,keyword3").

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
KeyWords	Nvarchar(MAX)	String

Example Call

```csharp
var issues = await IssueTrackerContext.LoadStoredProc("GetAllIssuesByKeyWords")
    .WithSqlParam("Resolved", resolved)
    .WithSqlParam("KeyWords", keyWords)
    .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

07 GetAllIssuesByProductNameKeyWords

Description

This Stored Procedure returns all issues filtered by the Resolved Flag, Product Name and a comma separated list of Key Words (example: "keyword1,keyword2,keyword3").

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String
KeyWords	Nvarchar(MAX)	String

Example Call

```csharp
var issues = await
IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductNameKeyWords")
    .WithSqlParam("Resolved", resolved)
    .WithSqlParam("ProductName", productName)
    .WithSqlParam("KeyWords", keyWords)
    .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

08 GetAllIssuesByProductNameVersionKeyWords

Description

This Stored Procedure returns all issues filtered by the Resolved Flag, Product Name, Version and a comma separated list of Key Words (example: "keyword1,keyword2,keyword3").

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String
Version	Nvarchar(50)	String
KeyWords	Nvarchar(MAX)	String

Example Call

```
    var issues = await
IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductNameVersionKeyWords")
        .WithSqlParam("Resolved", resolved)
        .WithSqlParam("ProductName", productName)
        .WithSqlParam("Version", version)
        .WithSqlParam("KeyWords", keyWords)
        .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

09 GetAllIssuesByProductNameDateRangeKeyWords

Description

This Stored Procedure returns all issues filtered by the Resolved Flag, Product Name, Date Range (Creation Date) and a comma separated list of Key Words (example: "keyword1,keyword2,keyword3").

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String
DateFrom	Datetime	Datetime
DateTo	Datetime	Datetime
KeyWords	Nvarchar(MAX)	String

Example Call

```
    var issues = await
IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductNameDateRangeKeywords")
        .WithSqlParam("Resolved", resolved)
        .WithSqlParam("ProductName", productName)
        .WithSqlParam("DateFrom", fromDate)
        .WithSqlParam("DateTo", toDate)
        .WithSqlParam("KeyWords", keyWords)
        .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```

10 GetAllIssuesByProductNameVersionDateRangeKeyWords

Description

This Stored Procedure returns all issues filtered by the Resolved Flag, Product Name, Version, Date Range (Creation Date) and a comma separated list of Key Words (example: "keyword1,keyword2,keyword3").

Parameters

Name	SQL Datatype	C# Datatype
Resolved	Bit	Boolean
ProductName	Nvarchar(200)	String
Version	Nvarchar(50)	String
DateFrom	Datetime	Datetime
DateTo	Datetime	Datetime
KeyWords	Nvarchar(MAX)	String

Example Call

```csharp
    var issues = await
IssueTrackerContext.LoadStoredProc("GetAllIssuesByProductNameDateRangeVersionKeywords"
)
        .WithSqlParam("Resolved", resolved)
        .WithSqlParam("ProductName", productName)
        .WithSqlParam("Version", version)
        .WithSqlParam("DateFrom", fromDate)
        .WithSqlParam("DateTo", toDate)
        .WithSqlParam("KeyWords", keyWords)
        .ExecuteStoredProcAsync<IssueStoredProcedureResult>();
```