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## Mensen

Mensen van Squad 1 (=Team 1)

* Roger Broekman
* Leon
* Ernst (Ernest)
* Rene Witlox, manager

Brita Hoogerwerf = PO (=Product Owner) van AOC

Suzanne Jaspers

Ellen

[Martin.Jochems@rabobankdev.com](mailto:Martin.Jochems@rabobankdev.com)

[Martin.Jochems@rabobank.com](mailto:Martin.Jochems@rabobank.com)

## Omgevingen

2 omgevingen waarop je werkt:

1. DEV Lan (voor ontwikkeling, Visual Studio etc.) Ook Jira.

Dit is een lokale desktop PC met Windows 7 erop

1. Productie LAN (voor niet development medewerkers, e-mail, Jira etc)

Hiervoor moet een laptop in een dock-station ingeprikt worden

**Build Definitions AOC**

AocFlow.Main.App.Man.Acceptance Main naar UAT

AocFlow.SD.App.Man.Acceptance Dev naar UAT  
  
FcFlow.SD.App.Man.Acceptance Dev naar UAT

Lokaal:

Main-branch AocFlow SD Lokaal Dev

Main Lokaal Main

## Scrum / TFS

SCRUM / TFS

TFS wordt puur gebruikt voor source-control (TFS Services),

Het Scrum-board staat in Jira (en dus NIET in TFS). Jira bevat stories, geen taken.

Fasen:

* To Do
* In Progress UnittTesten (indien aanwezig!) hier
* Verify Code Review. =Testen door collega.
* Done

Team Project Collections: BDS

Team Projects: CRIS\_PORTAL

TFS Server: eurv170d14 (op poort 80)

Url: http:// eurv170d14:8080/tfs

## Portal

In het portal worden de 40 applicaties gehangen. Vanuit pulldown menu bereikbaar.

Vanuit Visual Studio werken met Local IIS (en dus niet IIS Express met een poortNr ipv een naam) instellen vanuit Project Properties

<http://localhost/AocFlow>

* Inloggen met Windows credentials (meteen ingelogd)
* Voor AoC flow -> authentication -> Windows Authentication enabled

<http://localhost/AocFlow>/rabositemaprefresh.axd

voor het verwijderen van de (server!)cache

Als je uitlogt kom je op de portal (lokaal):

<http://localhost/login.aspx?logout=true>

Roger: AOC

Leon: SAGA  
Ernest: GBS

## Applicatie AOC

Applicatie: Aoc Flow. Onderdeel van de 40 applicaties van het Rabo portal   
(puur voor Rabobank medewerkers over de lokale fillialen in Nederland).

Rechten voor ticket(edit)scherm -> (in)visible en enabled/disabled

Worden bepaald door de status van een ticket.

A.d.h.v. de status wordt per rol (2e lijns, ServiceDesk, LD) per veld bepaald of dit zichtbaar en enabled is op scherm.

Voor elk veld op scherm is een enumeratie waarde ‘FieldNameEnum’.

Bijv. FieldNameEnum.Solution slaat op het ‘oplossing’ veld in

TicketEditor.ascx.

De naam van de authorisatie class = de status van ticket.

Bijv. TicketAuthorisationHandling2L handelt visible/enabled af van een ticket met status TicketStatusEnum.Handling2L

### Inhoudelijk

Aoc Flow is een applicatie voor het sturen van (adhoc) opdrachten tussen Rabobank fillialen onderling en tussen centrale hoofdkantoor. (Een opdracht kan zoiets zijn als ‘doe overboeking …’ of ‘controleer factuur ...’ of zoiets)

Klant = lokale bank (of externe leverancier)

ProcessType = Factuurcontrole, BTW, vaste activa,   
 afstemverschillen, …

*Sjabloon* = template voor een **opdracht (=Instruction)**? Ja. Let op, je hebt ook sjabloon voor gespreksverslagen met relaties (=lokale bank of externe leverancier).   
*Gespreksverslag* = overleg / evaluatie met klant (geen adhoc opdracht dus)  
*Ticket* = nog gedetailleerder niveau dan een opdracht

…

Terugkeer patroon = Opdracht en sjabloon hebben een terugkeer patroon. Bijv. Dagelijks, wekelijks of maandelijks.

Admin (menu item): Beheer stamgegevens: klanten, banken, rollen (relatiebeheerder, alleen lezen, ServiceDesk, Bedrijven)

Autorisatie op rol.

*Inloggen op portal (lokaal):*

<http://localhost/login.aspx?logout=true>

2L = 2e lijns (helpdesk)

SD = Service Desk

LB = Lokale bank

### Applicatie Technisch

WebForms applicatie. Gelaagd. Met Sql Server (ca. 60 tabellen).   
En EF Database First. Windows Authentication (Intranet).

SingleSignOn, via portal eerst inloggen.

Gehost in lokale IIS (dus geen IIS Express)  
*http://localhost/AocFlow/  
C:\projects\BroekmanR\CRIS\_PORTAL\AocWorkflow\Main-branch AocFlow SD\Website\Website*

*Main-branch AocFlow SD = DEV branche in TFS*

RABONETEU Productie LAN (laptop dock station, email, jira)

RABOEUDEV Development LAN (desktop, VS, Tfs etc.)

**RABONETEU is ook de drive waarop de share staat**

\\eurv150001\Transfer$

Overal zelfde project structuur bij mensen lokaal   
 (mapping tov TFS).

p UAT database:   
-> Op laptop -> shift right click op Sql Server Man. Studio  
-> Run as different user  
-> Server name: *crisdbuat\cris\_uat\_01*

DacPac Packages op UAT: -> met remote desktop naar UAT server gaan, daar op E schijf op E:\Packages kijken

-> Zipfiles te vinden, waarbinnen ‘Database’ folder met   
 daarin alle .dacpac files

**Layer / Project ClassName**

Website …WebPage .aspx.vb

Business …Service / …Manager

Data …Repository : I…Repository

AocFlowEntities (= EF Context, .edmx)

*Model Vertical assembly from webpage to Data*

*(Rabo.AocFlow.Model) (both partial (custom) class as partial generated class)*

Sql Server Database

**CRIS\_AocFlow = Dev database ?**

**CRIS\_AocFlow\_Test = Test database ?**

FrontEnd / WebForms

* Alle ContentPages hebben een MasterPage ‘~/Main.Master’
* Een ContentPage (.aspx) bestaat vaak uit een aantal panels / tabs, en de tab is een UserControl

<asp:Content ID="Content3" ContentPlaceHolderID="**mainContent**" runat="server">

<pc4:RaboPanel runat="server" ID="mainPanel" HeaderText="Opdracht">

<ajax:TabContainer runat="server" ID="tabContainer" CssClass="ajax\_\_portalTab">

<ajax:TabPanel runat="server" ID="InstructionPanel" HeaderText="Details">

<ContentTemplate>

<uc:InstructionEditor ID="InstructionEditor" runat="server" />

</ContentTemplate>

</ajax:TabPanel>

<ajax:TabPanel runat="server" ID="UrlPanel" HeaderText="Links">

<ContentTemplate>

<uc:InstructionUrlEditor ID="InstructionUrlEditor" runat="server" />

</ContentTemplate>

</ajax:TabPanel>

<authentication mode="Windows">

<forms loginUrl="/login.aspx" />

</authentication>

…

## SAGA

Deze applicatie gaat over contracten.

## Database

Er is een apart Database solution ‘CRIS\_AocFlow’. Hierin zitten puur database   
.sql (script)files, en publish (xml)files. Hier moet je database structuur-aanpassingen maken, en dit uitrollen / deployen.

Vervolgens doe je ‘update from database’ om de .edmx en de generated (table)files bij te werken met als bron/waarheid de database.

Uitrollen database changes

* Open solution: -> database -> CRIS\_Aoflow ->
* Change data, view, tables or stored procs
* Rechtermuisklik op project ‘CRIS\_AocFlow’ -> Publish -> *CRIS\_AocFlow.Dev.publish* -> Publish -> of generate script

*Locatie DACPACs:*

C:\projects\JochemsM\BDS\CRIS\_PORTAL\AocWorkflow\Main-branch AocFlow SD\Database\CRIS\_AocFlow\CRIS\_AocFlow\bin\Debug\CRIS\_AocFlow.dll

C:\projects\JochemsM\BDS\CRIS\_PORTAL\AocWorkflow\Main-branch AocFlow SD\Database\CRIS\_AocFlow\CRIS\_AocFlow\bin\Debug\CRIS\_AocFlow.dacpac

## DataModel belangrijkste entiteiten

**TabelNaam Betekenis**

ApplicationUser users applicatie

Bank Lokale Rabobank / filiaal

Team … ? Service, onderzoek, ontwikkel team?  
BankHoliday vrije dagen

Customer Klant (lokale Rabonak of externe partij (= …))

Event Bevat user-acties zoals ‘opdracht … voltooid’

Instruction Opdracht (heeft een template, owner, team, startdate, enddate, priority)

InstructionTemplate Opdracht Sjabloon

InstructionTemplateBank Koppeltabel tussen opdracht-template en bank

Meeting meeting met een klant? Ja

= Contactmoment onder Relatiebeheer

MeetingAction ..

Notification ..

Request Net zoiets als Instruction (heeft status en instruction)

Role Administrator, AocUser, Relatiebeheerder,   
 SuperUser, Servicedesk

De ‘hoofdtypes’ Instruction, Meeting, Ticket, Notification hebben allemaal

child-tables voor:

* History
* Attachment
* Status
* Template

## DacPac

Gemaakt door Microsoft. Een mechanisme om de structuur van een database te updaten. Bijv. van dev database naar acceptatie of productie.

Een .dacpac file maak je adhv een bestaande Sql Server database. Het slaat vervolgens alle metadata op (tabellen, views, stored procs, logins, …).

Omdat het een in feite een zipfile is, kan je door de extensie .zip aan .dacpac toe te voegen, deze openen in een zipfile programma zoals WinZip.

* Maken dacpac file: via SSDT project in VS, of:

Vanuit SSMS: rightclick op database -> Tasks -> Extract data-tier application

* Deployen in Sql Server Management Studio (SSMS) :

-> Databases -> Deploy Data-tier Application

(maar het kan ook via command line ipv in SSMS)

A DACPAC is a single deployment file that contains your entire database schema and some related SQL files (like look-up data), basically, everything to deploy a new version of your database in one file.

## Belangrijkste rollen / gebruikers om mee te testen (autorisatie)

…

Inloggen op portal lokaal: localhost/aocflow

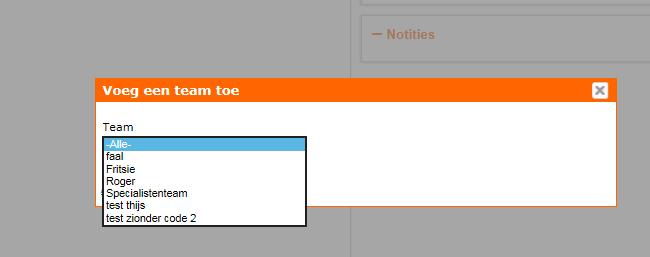
**Jira issue**

‘ook teams worden getoond (bij toewijzen 2e l.) met een leeg email adres’

* Eerst inloggen in Rabo portal: localhost/aocflow
* Kies in menu -> Applications -> AOC Workflow
* In AOC menu: Ticket -> Ticketlijst algemeen
* Edit 1 row waarbij ‘in behandeling 2e l.’
* Link: ‘toewijzen aan 2L’ -> popup met team dropdown

-> dropdown toont teveel teams (namelijk ook die met een leeg   
 e-mail adres)

ServiceDesk = 1e lijn. Zij zetten tickets door naar 2e lijn.



Scherm waar link op staat:

/Pages/EditTicket.aspx

<aoc:AocLinkButton runat="server" ID="HandleButton2L" Text="Toewijzen aan 2L" CausesValidation="true"

CssClass="BLUlinkButton" Action="HandleTicket2L" />

Private Sub HandleButton2L\_Click(sender As Object, e As EventArgs) Handles HandleButton2L.Click

AssignTicketToSecondLine(Model.ActionEnum.HandleTicket2L)

End Sub

action waarde = 59

Private Sub AssignTicketToSecondLine(assignTicketToSecondLine As ActionEnum)

SelectTeamPopup.Show()

End Sub

<aoc:AocInputFieldPanel ID="TeamFieldPanel" runat="server" AssociatedControlID="SecondLineTeamDropDown"

LabelText="Team" CssClass="fm filter" >

<asp:ObjectDataSource runat="server" ID="TeamDataSource"

TypeName="Rabo.AocFlow.Website.TeamDataSource"

SelectMethod="**GetSecondLineTeams**" EnablePaging="false">

</asp:ObjectDataSource>

<pc4:RaboDropDownList runat="server" ID="SecondLineTeamDropDown" DataSourceID="TeamDataSource"

DataTextField="Name" DataValueField="ID" AutoPostBack="false" AppendDataBoundItems="true">

<asp:ListItem Value="" Text="-Alle-"></asp:ListItem>

</pc4:RaboDropDownList>

<pc4:RaboRequiredFieldValidator ID="TeamValidator" runat="server" ControlToValidate="SecondLineTeamDropDown" Text="Het team is verplicht" />

</aoc:AocInputFieldPanel>

Fix:

* In ‘CommonRepository.vb’ -> Function GetSecondLineTeams ->

Where includeDeleted OrElse t.IsDeleted = False AndAlso t.EmailAddress IsNot Nothing

Wijzigen in

**Where includeDeleted OrElse ((t.IsDeleted = False) AndAlso (t.EmailAddress IsNot Nothing) AndAlso (t.EmailAddress <> String.Empty))**

------------------------------------------------------------------------------

SELECT TOP 1000 [Id]

,[Code]

,[Name]

,[IsDeleted]

,[EmailAddress]

,[IsSecondLineTeam]

FROM [CRIS\_AocFlow].[dbo].[Team]

--where

--isdeleted = 0 and ((emailaddress is not null) and (emailaddress <> ''))

Een Team kan zowel op hoofdkantoor als op lokaal filiaal zitten.

## Jira

Items / Issues zijn user stories (geen taken dus).

* Selecteren en tik ‘A’ opent een Jira Issue

## E-mail outlook

[Martin.Jochems@rabobank.com](mailto:Martin.Jochems@rabobank.com)

## Links

## Deployen

* .Net Code wijzigingen mergen van Dev naar Main
* Build en (File)Publish Main Website naar local directory (mogelijk voor Test, Productie, Acceptatie),   
  en zip deze.
* Genereer database structuur wijziging scripts, door ‘cabbaq files’ te maken (=compare dev database met prod. Database, en genereer wijzig/merge scripts voor de verschillen)

In Main folder:

C:\projects\JochemsM\CRIS\_PORTAL\AocWorkflow\Main\Website\Website

Voor Web.Config voor de verschillende omgevingen ook verschillende config-files evt. wijzigen (moet zelfde settings hebben als Web.Config):

Web.Debug

Web.Test

Web.Acceptance

Web.Release

## Begrippen

CRIS = Credit Risk … System (= oude naam afdeling waar we nu zitten. Portal.)

AOC = …

## Omgevingen

**UAT Vanaf laptop:**

<https://gfportaluat.rabonet.com> Portal

<https://gfportaluat.rabonet.com/Aocflow> Aoc

**Build definitions TFS**

AocFlow.Main.App.CI Main branche uitrollen naar dev

AocFlow.SD.App.CI Dev branche uitrollen naar dev

AocFlow.Main.App.Man.Acceptance Main branche uitrollen naar UAT

AocFlow.SD.App.Main.Acceptance Dev branche uitrollen naar UAT

FcFlow.SD.App.Main.Acceptance Dev branche uitrollen naar UAT

## Klad Issues

* Admin -> Exporteren geg. -> DataView -> ManagementInformation -> Genereer

Velden erbij…

/Admin/ExportView.aspx

<pc4:RaboLinkButton runat="server" ID="DownLoadExportView" Text="Genereer" CssClass="BLUlinkButton Primary AutoDisable"

data-disabledtext="Bezig met genereren van export, dit kan enkele minuten duren..." />

Private Sub DownLoadExportView\_Click

Dim dataTable As DataTable = \_viewExportService.GetViewExport(viewName)

uspGetViewExport

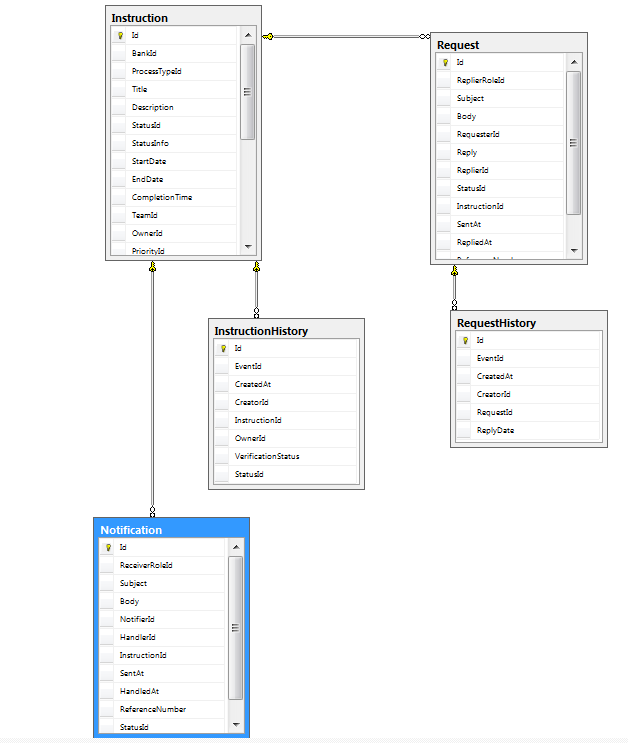
vwExportManagementInformation

vwInstructionHistory -> deze uitbreiden

Opdracht = Instrcution

Verzoek = Request

1 opdracht heeft meerdere verzoeken



**Hierin gaat het fout:**

Private Sub AddDataTableWorksheet(ByVal writer As OpenXmlWriter, ByVal datatable As DataTable, Optional ByVal columnList As List(Of KeyValuePair(Of String, String)) = Nothing)

**En dan waarschijnlijk hierbinnen in:**

writer.WriteElement(cell)

Private Sub AddDataTableWorksheet(ByVal writer As OpenXmlWriter, ByVal datatable As DataTable, Optional ByVal columnList As List(Of KeyValuePair(Of String, String)) = Nothing)

If datatable Is Nothing Then

Return

End If

Dim columns As List(Of KeyValuePair(Of String, String)) = columnList

If columnList Is Nothing OrElse columnList.Count = 0 Then

columns = (From c In datatable.Columns.Cast(Of DataColumn)()

Select New KeyValuePair(Of String, String)(c.ColumnName, c.ColumnName)).ToList()

End If

' Check if data is from a mdx datasource

If AreColumnsFromMdxTable(columns) Then

CreateMdxHeaders(writer, columns.Select(Function(c) c.Value).ToList())

Else

CreateHeaders(writer, columns.Select(Function(c) c.Value).ToList())

End If

For Each row As DataRow In datatable.Rows

Lock()

Try

writer.WriteStartElement(cachedRow)

For Each columnName As String In columns.Select(Function(c) c.Key)

Dim value As Object = String.Empty

Dim dataType As CellDataType = CellDataType.Text

Dim name = columnName

Dim column As DataColumn = datatable.Columns.Cast(Of DataColumn).FirstOrDefault(Function(dc) dc.ColumnName = name)

If column IsNot Nothing Then

value = row(column)

dataType = GetExcelDataType(column.DataType)

End If

Dim cell As Cell = CreateCell(value, dataType)

writer.WriteElement(cell)

Next

writer.WriteEndElement() ' Row

Finally

Unlock()

End Try

Next

End Sub

ViewExportService.ExportDatatableToExcel(DataTable dataTable, string filename)

Private Sub AddDataTableWorksheet(writer As OpenXmlWriter, datatable As DataTable, Optional columnList As IEnumerable(Of KeyValuePair(Of String, String)) = Nothing)

**Uren registratie**

**BluePrint**

[h](http://crisportal.rabodev.com/blueprint)

**Saga**

Server: crisdbdev\CRIS\_DEV\_01

Database: Cris\_Saga

Password:

Reference to Rabo NuGet package:

<http://...../NuGetWebservice/NuGet>

ReportController -> Excel action

@\*$.ajax({

url: '@Url.Action("Export", "AlternativeTransactions")',

data: formData,

type: 'POST',

datatype: 'json',

success: function (data) {

alert('success');

},

error: function (XMLHttpRequest, textStatus, errorThrown) {

debugger;

alert('some error ' + XMLHttpRequest + ', ' + errorThrown);

}

});\*@

//alert('for data: ' + formData);

//alert(form[0].action); //\*\*\*

@\*$.ajax({

url: '@Url.Action("Export", "AlternativeTransactions")',

data: formData,

type: 'POST',

datatype: 'json',

success: function (data) {

alert('success');

},

error: function (XMLHttpRequest, textStatus, errorThrown) {

debugger;

alert('some error ' + XMLHttpRequest + ', ' + errorThrown);

}

});\*@

//bool isIEnumerableType = ((propertyBaseType.IsGenericType) && (typeof(IEnumerable).IsAssignableFrom(propertyBaseType)));

<a class="rabopanel-export-excel" href="#" id="doexcelexport2" onclick="alert($('form:first')[0].action);">Exportttt2</a>

@section scripts

{

<script type="text/javascript" >

@\*$(document).ready(function () {

$("#doexcelexport").on("click", exporthandler);

function exporthandler()

{

var formData = $('form:first').serialize();

var url = '@Url.Action("Export", "AlternativeTransactions")' + '?' + formData;

window.location = url; // navigate / do get request

}

});\*@

</script>

}

<script>

var dateFormat = '@FormatHelper.JavaScriptDateFormat';

**var applicationBaseUrl = "@Url.Content("~")";**

function exportexcel(controllername, actionname) {

var formData = $('form:first').serialize();

debugger;//\*\*\*

var url = applicationBaseUrl + controllername + '/' + actionname + '?' + formData;

window.location = url; // navigate / do get request

}

</script>

$('a.rabopanel-export-excel').on('click', function (e) {

e.preventDefault(); // prevent default behaviour

var filterFormData = $('form:first').serialize();

var $a = $(this); //$a = jquery variable

var href = $a.attr('href');

window.location = href += '?' + filterFormData;

});

**I.p.v.**

response.Buffer = true;

response.Clear();

response.AddHeader("content-disposition", string.Format("attachment; filename={0}", outputFilename));

response.ContentType = "text/csv";

response.BinaryWrite(returnContent);

response.End();

**DOE als view actionresult FileResult teruggeven (ipv void Action):**

byte[] bytes = ExcelHelper.ExportListToExcel2<LoanFacilityModel>(

ExcelFormat.Xlsx,

"LoanFacilities",

LoanFacilities,

columnHeaders,

false);

**return File(bytes, "application/vnd.openxmlformats-officedocument.spreadsheetml.sheet", "LoanFacilities.xlsx");**

**Issue oplossing veld**

-> Ticket -> Ticketlijst algemeen -> dubbelklik item (=edit) -> veld oplossing

-> Veld oplossing dichtzetten als status van een ticket ‘in behandeling 2L’ is

(voor servicedesk wel verplicht)

- EditTicket.aspx

<http://localhost/AocFlow/Pages/EditTicket.aspx?TicketId=55587>

TicketEditor

TicketSolutionTextBox

In Excel datum tijd laten zien

select FORMAT(getdate(),'yyyy-MM-dd HH:mm:ss') as InstructionHistoryCreated

System.Data.SqlClient.SqlException:

Transaction (Process ID 100) was deadlocked on lock

Rabo.AocFlow.Data.InstructionRepository.GetUrlOverviews

C:\Builds\13\CRIS\_PORTAL\AocFlow.Main.App.Man.Acceptance\src\Website\Business\Instruction\InstructionService.vb:line 244

at Rabo.AocFlow.Website.InstructionUrlEditor.LoadInstructionIntoControl(Instruction instruction) in C:\Builds\13\CRIS\_PORTAL\AocFlow.Main.App.Man.Acceptance\src\Website\Website\Instruction\InstructionUrlEditor.ascx.vb:line 49

at Rabo.AocFlow.Website.EditInstruction.SetInitialValues() in C:\Builds\13\CRIS\_PORTAL\AocFlow.Main.App.Man.Acceptance\src\Website\Website\Pages\EditInstruction.aspx.vb:line 50

at Rabo.AocFlow.Website.EditInstruction.Page\_Load() in C:\Builds\13\CRIS\_PORTAL\AocFlow.Main.App.Man.Acceptance\src\Website\Website\Pages\EditInstruction.aspx.vb:line 37

at Rabo.AocFlow.Website.EditInstruction.\_Lambda$\_\_R173-12(Object a0, EventArgs a1)

at System.EventHandler.Invoke(Object sender, EventArgs e)

at System.Web.UI.Control.LoadRecursive()

context.Database.BeginTransaction(IsolationLevel.Snapshot )

**2nd line teams moeten dus een e-mail adres ingevuld hebben:**

Public Function GetSecondLineTeams(includeDeleted As Boolean) As IEnumerable(Of Team) Implements ICommonRepository.GetSecondLineTeams

Using context = CreateContext()

Dim query = From t In context.Teams

**Where includeDeleted OrElse ((t.IsDeleted = False) AndAlso (t.EmailAddress IsNot Nothing) AndAlso (t.EmailAddress <> String.Empty))**

Order By t.Name

Return query.ToArray()

End Using

End Function

**BIS**

Bis.MSSql = Project

BuildResultService.cs = Ado.met datalaag

tdId = tdId.replace(/\_/g, '$');

Meerdere document ready functions op 1 webpage zijn technisch gewoon mogelijk. Mooi is het niet, maar werkt wel gewoon, is gelijk aan uitvoeren van alle eventcode in 1 ready function. Maar beter zou zijn om 1 ready function te hebben, waaraan je al deze (sub)code aanroept.

//var tableId = $('#MeetingHistoryContainer table:first').attr('id');

//var tdId = (tableId == null) ? '' : 'ctl00$' + tableId;

//tdId = tdId.replace(/\_/g, '$');

//var $oldOnclick = $('#MeetingHistoryContainer table:first td').attr('onclick');

//$('#MeetingHistoryContainer table:first td').attr('onclick', '');

//$('#MeetingHistoryContainer table:first td').on('click', function () {

//debugger;

// if (confirm('zeker?')) {

// alert('confirm...');

// alert(tdId); //\*\*\*

// \_\_doPostBack(tdId, 'Select$1');

// }

// else

// {

// alert('no!');

// }

…

HttpContext.Current.Items dictionary

**One Context per request without DI Container**

<http://stackoverflow.com/questions/6334592/one-dbcontext-per-request-in-asp-net-mvc-without-ioc-container>

For the current post I will do a very simple UnitOfWork just to satisfy the problem of having a context persisted along the lifetime of the HTTP Request. More complext implementation would mean supporting multiple contexts, supporting different object persistence on the UnitOfWork.

Hide   Copy Code

public class UnitOfWork : IUnitOfwork, IDisposable

{

public ObjectContext Context { get; set; }

public DbTransaction Transaction { get; set; }

public void Commit()

{

if (Context != null)

{

ObjectContext.SaveChanges();

Transaction.Commit();

}

}

public void Dispose()

{

if (Context != null)

{

Transaction.Dispose();

Transaction = null;

Context.Dispose();

Context = null;

}

}

}

Next step is to configure the Global.asax to handle the UnitOfWork, committing it when the request ends, and just disposing it when an exception is thrown so the transaction will be rolled back. What you need to add to the Global.asax:

Hide   Copy Code

public void Application\_EndRequest(Object sender, EventArgs e)

{

IUnitOfWork unit = IoCContainer.Resolve<IUnitOfWork>();

unit.Commit();

unit.Dispose();

}

public void Application\_Error(Object sender, EventArgs e)

{

IUnitOfWork unit = IoCContainer.Resolve<IUnitOfWork>();

unit.Dispose();

*//don't forget to treat the error here*

}

<https://jasenhk.wordpress.com/2013/06/11/unit-of-work-and-repository-pattern-with-unity-dependency-injection/>

**Probleem met automatische benaming dbsets in DBContext (EF)**

public string DbSet(EntitySet entitySet)

{

return string.Format(

CultureInfo.InvariantCulture,

"{0} virtual DbSet<{1}> {2} {{ get; set; }}",

Accessibility.ForReadOnlyProperty(entitySet),

\_typeMapper.GetTypeName(entitySet.ElementType),

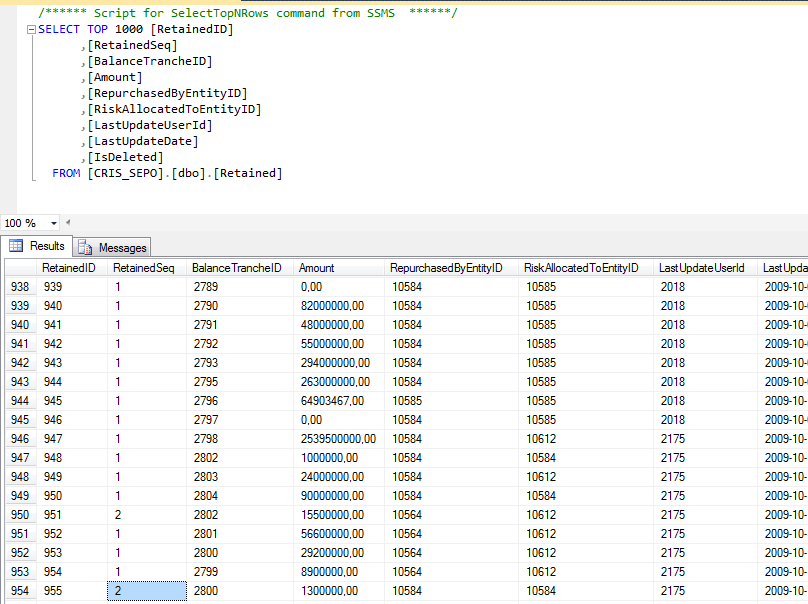
((\_typeMapper.GetTypeName(entitySet.ElementType).EndsWith("s")) ? (\_typeMapper.GetTypeName(entitySet.ElementType) + "es") : (\_typeMapper.GetTypeName(entitySet.ElementType) + "s"))

);

}

SePo = naam applicatie

Table ‘Retained’, veld RetainedSeq



UPDATE [Retained]

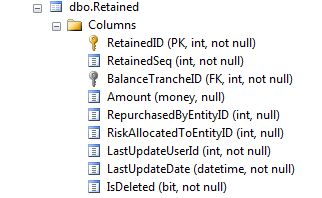
SET IsDeleted = 1

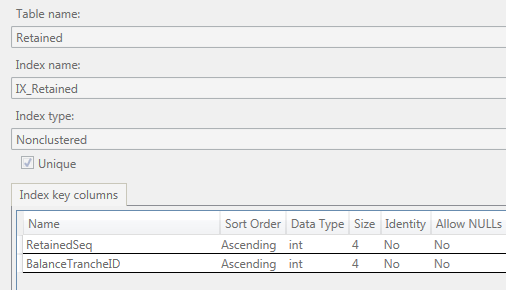
, LastUpdateUserId = @LastUpdateUserId

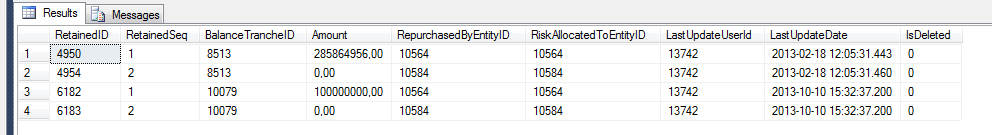
, LastUpdateDate = GETDATE()

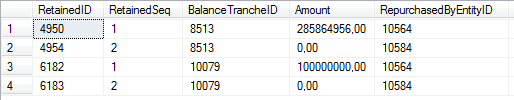
WHERE BalanceTrancheID = @BalanceTranceID

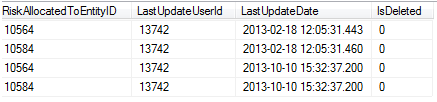
AND RetainedSeq = @Sequence





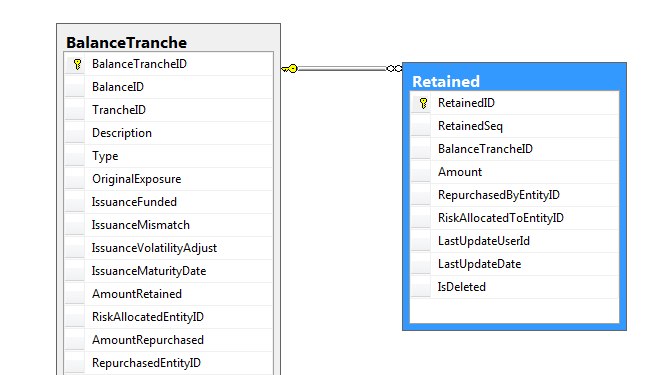






Tranche = gedeelte van een lening

Retain = behouden



-- Query Test foute rows

;with RetainedSeqDiffs as (

select

r.RetainedID,

r.RetainedSeq,

r.BalanceTrancheId,

ROW\_NUMBER() over ( partition by r.BalanceTrancheId order by r.RetainedSeq )

RetainedSeqShouldBe

from Retained as r

)

select \* from

RetainedSeqDiffs

where

RetainedSeq <> RetainedSeqShouldBe

-- ========================================================

-- Fix retainedSeq

;with RetainedSeqDiffs as (

select

r.RetainedID,

r.RetainedSeq,

r.BalanceTrancheId,

ROW\_NUMBER() over ( partition by r.BalanceTrancheId order by r.RetainedSeq )

RetainedSeqShouldBe

from Retained as r

)

update

r

set

r.RetainedSeq = rd.RetainedSeqShouldBe

from

Retained as r

inner join RetainedSeqDiffs rd

on r.RetainedID = rd.RetainedID

and r.RetainedSeq <> rd.RetainedSeqShouldBe

where

r.RetainedID = rd.RetainedID

public SagaEntities()

: base("name=SagaEntities")

{

this.Configuration.LazyLoadingEnabled = false;

this.Configuration.ProxyCreationEnabled = false;

}

SRP Constant ontwikkelaar BI reporting application …

**EF Entities (=POCOs) in een apart project zetten (anders dan het DAL project waar de DBContext class zich bevindt.**

**(er zijn 2 templates .tt , eentje voor de context, en een voor de entities)**

<https://social.msdn.microsoft.com/Forums/en-US/b79175eb-fdb5-4478-8ee4-7ea5c466e236/database-first-ef5-how-to-generate-poco-classes-in-another-project?forum=adodotnetentityframework>

* Hi magnusb999;

OK, to do what you want follow the following steps.

1. In  your EDMX folder in the project where the model is, expand the EDMX folder and right click on the template file that has the same name as the EDMX folder followed by .tt. this is where all the entities files are kept. Select Properties from the context menu. In the Properties page that opened up select the property Custom Tool and remove the value to its right leaving it empty.

2. Now go back to Solution Explorer and expand the same template node you just modified in step 1 and all the entities files will be seen, select all the files under that node and delete them, the only thing remaining is the template file.

3. Now in Solution Explorer right click on the project name where you want to move the entities to and select Add -> Existing  Item… from the context menu. When the Windows Explorer window open navigate to the entity file template the .tt file we have been working with and select it. Now at the bottom of the window on the right you have an Add button that has a drop down arrow, click on the arrow to expose another button with the text "Add As Link" click that button.

4. In the project that contains the EDMX files add a reference to the project to where you moved the entities files, in Solution Explorer right click on the project name and select Add Reference. On the left hand side of the dialog box expand Solution node and select project. Select the project in the middle panel to where you moved the entities to. Then select the OK button.

5. Now in Solution Explorer double click on the other template file that has the same name as the model .Context.tt  which will open the file for editing. You will also need to open any one of the entity file in the other project to get the namespace of the project. Now make the following change to the template file. You will find the following three using statements near the top of the file.

using System;  
using System.Data.Entity;  
using System.Data.Entity.Infrastructure;

after the last using statement add this :

using <Add the namespace name here>;

Save the file and compile the projects and all should now be as you wanted.

----------------------------------------------------------

raboneteu

**EF queries zowel synchroon als asynchroon**

(met o.a. de IQueryable gedeeld over beiden)

#region "GetAllBuildResults"

// Synchronous

public IEnumerable<BusinessEntities.BuildResultData> GetAllBuildResults(PeriodFilterEnum filterValue)

{

DateTime startdate = Utilities.GetStartDate(filterValue);

IQueryable<DataAccessEntities.BuildResult> query = GetAllBuildResultsQuery(startdate);

IEnumerable<DataAccessEntities.BuildResult> daList = query.ToList();

IEnumerable<BusinessEntities.BuildResultData> baList = daList.Select(item => ConvertBuildResultDaToBl(item));

return baList;

}

// Asynchronous

public async Task<IEnumerable<BusinessEntities.BuildResultData>> GetAllBuildResultsAsync(PeriodFilterEnum filterValue)

{

DateTime startdate = Utilities.GetStartDate(filterValue);

IQueryable<DataAccessEntities.BuildResult> query = GetAllBuildResultsQuery(startdate);

IEnumerable<DataAccessEntities.BuildResult> daList = await query.ToListAsync();

IEnumerable<BusinessEntities.BuildResultData> baList = daList.Select(item => ConvertBuildResultDaToBl(item));

return baList;

}

private IQueryable<DataAccessEntities.BuildResult> GetAllBuildResultsQuery(DateTime startdate)

{

IQueryable<DataAccessEntities.BuildResult> queryAllBuildResults =

from buildResult in \_BisContext.BuildResults

where (buildResult.StartedAt >= startdate)

orderby buildResult.StartedAt ascending, buildResult.BuildDefinition descending

select buildResult;

return queryAllBuildResults;

}

private BusinessEntities.BuildResultData ConvertBuildResultDaToBl(DataAccessEntities.BuildResult daBuildResult)

{

BusinessEntities.BuildResultData result = new Business.Entities.BuildResultData();

result.Id = daBuildResult.Id;

result.BuildDefinition = daBuildResult.BuildDefinition;

result.BuildNumber = daBuildResult.BuildNumber;

result.CompilationSuccess = daBuildResult.CompilationSuccess;

result.StartedAt = daBuildResult.StartedAt;

return result;

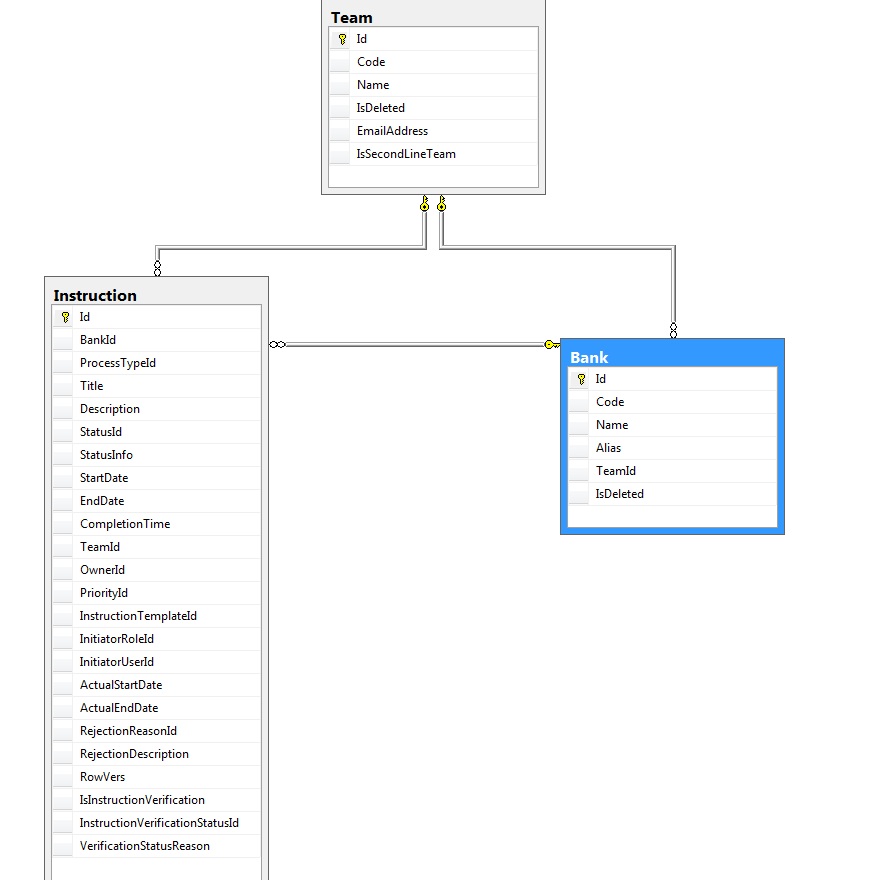
}

#endregion "GetAllBuildResults"

**AocFlow.Main.App.Man.Acceptance**

Is DE build definitie’voor AOC voor UAT?

**Relatie Team – Bank - Opdracht**



- Bank hoeft niet altijd een lokale bank te zijn

- Team hoeft ook niet altijd een team op lokale bank te zijn, kan ook   
 team op hoofdkantoor zijn

Remote desktop

**Oplossing (voorlopig) voor auto-aanvullen probleem LDAP**

Om te testen hoef je de WebApp op UAT niet opnieuw op te starten, alleen web.config aanpassen, en page verversen.

---------------------------------------------------------------------------

Create new screen for **edit ticket**, for suppliers (instead of for local banks).  
Choose supplier from list (from Excel) where all suppliers are in.

NewTicket.aspx

EditTicket.aspx EditTicketSupplier.aspx

There has to come a new screen with a new menu-item (in the portal).

-- Hoofd onderwerp (dropdown) boomstructuur, parent child nodes

select \* FROM [CRIS\_AocFlow].[dbo].[TicketSubject]

-- Verslag onderwerp

select \* FROM [CRIS\_AocFlow].[dbo].[MeetingSubject]

**In de (CRIS)Portal App:**

ActiveDirectoryManager.vb

PortalApp Acceptance

Afkortingen banken

LB Lokale bank (= lokaal Rabobank filiaal)

RN Rabobank Nederland

RI Rabobank International

select attachments.\*

from

(

select attachments\_info.attachment\_checksum

,attachments\_info.attachment\_datalength

,attachments\_info.attachment\_substring

,count(\*) as occurences

from

(

select

ID

,BINARY\_CHECKSUM([Content]) as attachment\_checksum

,DATALENGTH([Content]) as attachment\_datalength

,substring([Content], 1, 8000) as attachment\_substring

FROM [CRIS\_AocFlow].[dbo].[TicketAttachment]

) attachments\_info

group by

attachments\_info.attachment\_checksum

,attachments\_info.attachment\_datalength

,attachments\_info.attachment\_substring

) attachments

where (attachments.occurences > 1)

…

**TicketRepository**

' Get all subjects from database, filtered by ticketTargetgroupId.

' Rabobank business = 100 => all items with TicketTargetgroupId 1 or 2.

' Leverancier = 3 => all items with TicketTargetgroupId 3.

Public Function GetTicketSubjects(ticketTargetgroupId As Integer?, includeDeleted As Boolean) As IEnumerable(Of IdNameParentId) Implements ITicketRepository.GetTicketSubjects

Using context = CreateContext()

Dim query = From ts In context.TicketSubjects

Where

(includeDeleted OrElse ts.IsDeleted = False) AndAlso

(((ticketTargetgroupId >= 100) AndAlso ((ts.TicketTargetgroupId = 1) OrElse (ts.TicketTargetgroupId = 2))) OrElse ((ticketTargetgroupId = 3) AndAlso (ts.TicketTargetgroupId = 3)))

Select New IdNameParentId() With

{

.Id = CStr(ts.Id),

.Name = ts.Name,

.ParentId = CStr(ts.ParentId)

}

Return query.ToList()

End Using

End Function

---------------------------------------

**MeetingRepository**

' Get all subjects from database, filtered by ticketTargetgroupId.

' Rabobank business = 100 => all items with TicketTargetgroupId 1 or 2.

' Leverancier = 3 => all items with TicketTargetgroupId 3.

Public Function GetMeetingSubjects(ticketTargetgroupId As Integer?, includeDeleted As Boolean) As IEnumerable(Of MeetingSubject) Implements IMeetingRepository.GetMeetingSubjects

Using context = CreateContext()

Dim query = From ms In context.MeetingSubjects

Where

(includeDeleted OrElse ms.IsDeleted = False) AndAlso

(((ticketTargetgroupId >= 100) AndAlso ((ms.TicketTargetgroupId = 1) OrElse (ms.TicketTargetgroupId = 2))) OrElse ((ticketTargetgroupId = 3) AndAlso (ms.TicketTargetgroupId = 3)))

Order By ms.SortIndex, ms.Name

Return query.ToList()

End Using

End Function

-------------------------------------------

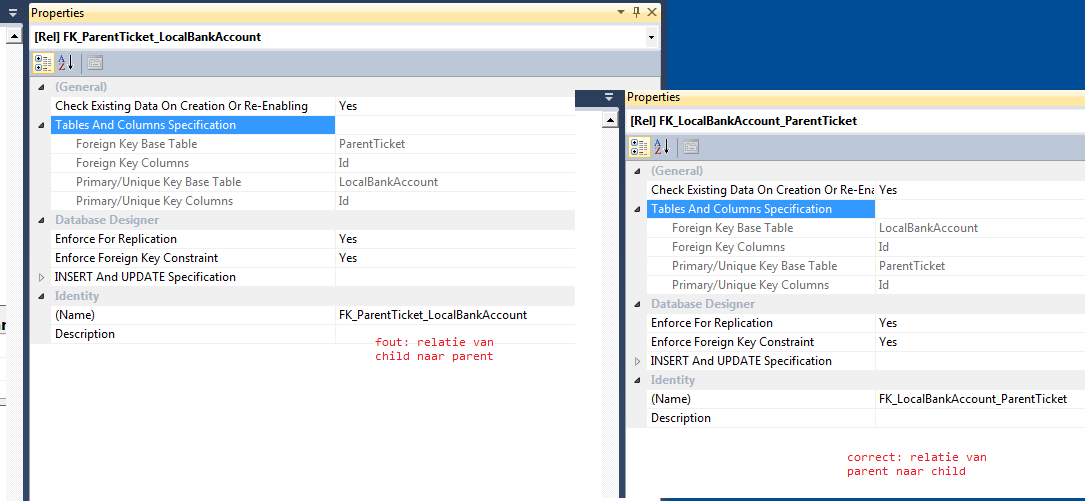
' Get all subjects from database, filtered by ticketTargetgroupId.

' Rabobank business = 100 => all items with TicketTargetgroupId 1 or 2.

' Leverancier = 3 => all items with TicketTargetgroupId 3.

**1:1 relaties leggen op juiste manier (child record moet een bestaande parent hebben, anders kan ie niet toegevoegd worden)**

Ook moet child table Id (key) GEEN autonummer / identity zijn, maar een gewone zelf in te vullen key (int).



Velden supplier (Import)  
- Crediteur nummer/code 1000013

- Naam ### A.A. Hedberg   
 (evt. spatie tussen # en naam)

- KvK nummer 33290028  
- BankRekening 0394215656

- Postcode 1234 EB

- Postbus 17100

- PC Postbus 3500 HG

- Straat Kruisakker 13

- Plaats Houten

- Land

- Email Adres [info@vanhelden.nl](mailto:info@vanhelden.nl)

**Parent table**

Tabellen:  
- Ticket = master table

- SupplierTicket   
- LocalBankTicket   
- RnRiTicket

1a.) Add column ‘TicketTargetGroupId’ to Ticket table

1b.) Update TargetgroupId naar 1 (local bank)

Where (TicketTargetGroupId is null)

1. Create child tables
2. Leg relaties tussen parent en child tables
3. Remove verhuisde kolommen uit parent tabel

* **Zwart** moet mee in **parent** table ‘**Ticket’**
* Andere kleuren komen in child(Ticket) tabellen
  + Blauw LocalBankTicket
  + Groen RnRiTicket
  + Rood SupplierTicket

CREATE TABLE [dbo].[Ticket](

**Beschrijving**

**[Id] [int] IDENTITY(1,1) NOT NULL,** Id

**[Code] AS (concat('T',[Id])),** Code

**[TicketTypeId] [int] NOT NULL,** Type

**[BankId] [int] NOT NULL,** Bank

**[RequesterId] [int] NULL,** Aanvrager?

**[RequesterRoleId] [int] NOT NULL,** AanvragerRol

**[RequesterPhoneNumber] [nvarchar](50) NULL,** Aanvrager telnr

**[TicketChannelId] [int] NOT NULL,** Ticket kanaal

**[InitiatorUserId] [int] NOT NULL,** Ingelogde gebruiker (SD?)

**[InitiatorRoleId] [int] NOT NULL,** geregistreerd door rol?

**[TicketSubjectId] [int] NOT NULL,** Onderwerp

**[InstructionId] [int] NULL,** Opdracht

**[Title] [nvarchar](255) NOT NULL,** Melding titel

**[Description] [nvarchar](max) NOT NULL,** Melding (multiline)

**[Solution] [nvarchar](max) NULL,** Oplossing (multiline)

**[StatusId] [int] NOT NULL,** Status

**[HandlerId] [int] NULL,** Behandelaar (ingelogde gebr.)

**[TicketSolutionTermId] [int] NOT NULL,** Oplostermijn (werkdagen)

***[RowVers] [timestamp] NULL,***

**[CreatedAt] [datetime2](7)** NOT NULL CONSTRAINT [DF\_Ticket\_CreatedAt] DEFAULT (getdate()),

[ProposedSolutionDate] [datetime2](7) NOT NULL, Gewenste afhandeldatum

[SolutionDate] [datetime2](7) NULL, Afhandeldatum

**[TeamId] [int] NULL,** Team

**TicketTargetgroupId int not null FK**

**SupplierTicket  
Id  
SupplierId**  
**TicketSubSubjectId int not null**

**Priority int not null FK**

**ProposedSolutionDate datetime null**

**RnRiTicket**

**Id**

**---------------------------------------------------------------------------------------------------**

**Supplier tabel**

- Creditor nummer/code 1000013

- Naam ### A.A. Hedberg   
 (evt. spatie tussen # en naam)

- KvK nummer 33290028  
- BankRekening 0394215656

- Postcode 1234 EB

- Postbus 17100

- PC Postbus 3500 HG

- Straat Kruisakker 13

- Plaats Houten

- Land

- Email Adres [info@vanhelden.nl](mailto:info@vanhelden.nl)

**- PhoneNumber**

**Portal Menu-items autorisatie**

C:\projects\JochemsM\BDS\CRIS\_PORTAL\Portal\Trunk\Main\Portal  
edit\_menu.aspx

edit\_menuitem.aspx

UserRole

AocFlowAdmin

AocFlowUser

**GetInstructionHistory**

SELECT

[Project1].[Id] AS [Id],

[Project1].[CreatorId] AS [CreatorId],

[Project1].[Name] AS [Name],

[Project1].[CreatedAt] AS [CreatedAt],

[Project1].[EventId] AS [EventId],

[Project1].[Name1] AS [Name1],

[Project1].[Source] AS [Source],

[Project1].[OwnerId] AS [OwnerId],

[Project1].[Name2] AS [Name2],

[Project1].[C1] AS [C1],

[Project1].[StatusId] AS [StatusId],

[Project1].[Name3] AS [Name3]

FROM ( SELECT

[Extent1].[Id] AS [Id],

[Extent1].[EventId] AS [EventId],

[Extent1].[CreatedAt] AS [CreatedAt],

[Extent1].[CreatorId] AS [CreatorId],

[Extent1].[OwnerId] AS [OwnerId],

[Extent1].[StatusId] AS [StatusId],

[Extent3].[Name] AS [Name],

[Extent4].[Name] AS [Name1],

[Extent4].[Source] AS [Source],

[Extent5].[Name] AS [Name2],

[Extent6].[Name] AS [Name3],

CASE WHEN ([Extent1].[VerificationStatus] IS NOT NULL) THEN [Extent2].[Name] ELSE @p\_\_linq\_\_1 END AS [C1]

FROM [dbo].[InstructionHistory] AS [Extent1]

LEFT OUTER JOIN [dbo].[InstructionVerificationStatus] AS [Extent2] ON [Extent1].[VerificationStatus] = [Extent2].[Id]

LEFT OUTER JOIN [dbo].[ApplicationUser] AS [Extent3] ON [Extent1].[CreatorId] = [Extent3].[Id]

INNER JOIN [dbo].[Event] AS [Extent4] ON [Extent1].[EventId] = [Extent4].[Id]

LEFT OUTER JOIN [dbo].[ApplicationUser] AS [Extent5] ON [Extent1].[OwnerId] = [Extent5].[Id]

LEFT OUTER JOIN [dbo].[InstructionStatus] AS [Extent6] ON [Extent1].[StatusId] = [Extent6].[Id]

WHERE [Extent1].[InstructionId] = @p\_\_linq\_\_0

) AS [Project1]

ORDER BY [Project1].[Id] DESC

namespace Rabo.AocFlow.Model

{

public partial class Ticket : ITicket

{

//...

}

}

=======================================================

**Parent Ticket solution ontwerp**

Rabo.AocFlow.Model Ticket

BlTicket Business en Repository laag

BlLocalBankTicket inherit BlTicket

BlRnRiTicket

BlSupplierTicket

In usercontrols if then constructies, en maar 1 usercontrol/page voor alle type tickets

*Dim overViewQuery = From t In query*

*Join lt In context.LocalBankTickets On t.Id Equals lt.Id*

*Select New TicketOverview() With {*

*.TicketId = t.Id,*

*.TicketCode = t.Code,*

…

**Linq Left outer join**

Dim query =

From ih In context.InstructionHistories

**Group Join innerOD In context.InstructionVerificationStatus**

**On ih.VerificationStatus Equals innerOD.Id Into Inners = Group**

From innerOD In Inners.DefaultIfEmpty()

Where ih.InstructionId = instructionId

Order By ih.Id Descending

Select New InstructionHistoryOverview() With {

.Id = ih.Id,

.CreatorId = ih.Creator.Id,

.Creator = ih.Creator.Name,

.CreatedAt = ih.CreatedAt,

.EventId = ih.EventId,

.Event = ih.Event.Name,

.Source = ih.Event.Source,

.OwnerId = ih.Owner.Id,

.Owner = ih.Owner.Name,

.**VerificationStatus = If(ih.VerificationStatus.HasValue, innerOD.Name, String.Empty),**

.StatusId = ih.StatusId,

.Status = ih.InstructionStatus.Name

}

**Inner join**

Dim ticketQuery = From t In context.Tickets

Join lt In context.LocalBankTickets On t.Id Equals lt.Id

Where lt.InstructionId = removedInstructionId

Select lt

MyBaseClass parent = new MyBaseClass();

MyBaseClass c1 = new MyChild1Class();

bool b1 = (c1 is MyBaseClass); // true

bool b2 = c1.GetType().IsSubclassOf(parent.GetType()); // true

MyBaseClass c2 = new MyChild1Child1Class();

bool b22 = c2.GetType().IsSubclassOf(parent.GetType()); // true

bool b3 = (c1 is MyChild2Class); // false

bool b4 = (c1 is MyChild1Class); // true

------------------------------------

If (TypeOf ticket Is BlLocalBankTicket) Then

ElseIf (TypeOf ticket Is BlSupplierTicket) Then

ElseIf (TypeOf ticket Is BlRnRiTicket) Then

End If

**Query ticketlijst met nieuwe Linq query (targetgroup solution) met profiler:**

SELECT

[Extent1].[Id] AS [Id],

[Extent1].[Code] AS [Code],

[Extent3].[Code] AS [Code1],

[Extent4].[Name] AS [Name],

[Extent5].[Name] AS [Name1],

[Extent6].[Name] AS [Name2],

[Extent7].[Name] AS [Name3],

[Extent8].[Name] AS [Name4],

[Extent9].[Name] AS [Name5],

[Extent1].[CreatedAt] AS [CreatedAt],

[Extent1].[TicketSolutionTermId] AS [TicketSolutionTermId],

[Extent1].[ProposedSolutionDate] AS [ProposedSolutionDate],

[Extent1].[SolutionDate] AS [SolutionDate],

[Extent1].[Title] AS [Title],

[Extent10].[Name] AS [Name6]

FROM [dbo].[Ticket] AS [Extent1]

INNER JOIN [dbo].[LocalBankTicket] AS [Extent2] ON [Extent1].[Id] = [Extent2].[Id]

INNER JOIN [dbo].[Bank] AS [Extent3] ON [Extent2].[BankId] = [Extent3].[Id]

INNER JOIN [dbo].[TicketType] AS [Extent4] ON [Extent1].[TicketTypeId] = [Extent4].[Id]

INNER JOIN [dbo].[TicketSubject] AS [Extent5] ON [Extent1].[TicketSubjectId] = [Extent5].[Id]

LEFT OUTER JOIN [dbo].[TicketPriority] AS [Extent6] ON [Extent1].[PriorityId] = [Extent6].[Id]

LEFT OUTER JOIN [dbo].[ApplicationUser] AS [Extent7] ON [Extent1].[RequesterId] = [Extent7].[Id]

LEFT OUTER JOIN [dbo].[ApplicationUser] AS [Extent8] ON [Extent1].[HandlerId] = [Extent8].[Id]

INNER JOIN [dbo].[TicketStatus] AS [Extent9] ON [Extent1].[StatusId] = [Extent9].[Id]

LEFT OUTER JOIN [dbo].[Team] AS [Extent10] ON [Extent1].[TeamId] = [Extent10].[Id]

WHERE [Extent1].[StatusId] IN (8)

ORDER BY [Extent1].[ProposedSolutionDate] ASC, [Extent1].[Id] ASC

OFFSET 0 ROWS FETCH NEXT 25 ROWS ONLY

**Timestamp column**  wordt door de database gevuld. Je kan niet zelf een waarde hiervoor opgeven, alleen voor de overige velden in de tabel (*Cannot update a timestamp column*.).

**AutoCompleteService.svc.vb**

<WebInvoke(Method:="POST", ResponseFormat:=WebMessageFormat.Json)>

Public Function GetSupplierBankAccounts(prefixText As String, count As Integer, contextKey As String) As String() Implements IAutoCompleteService.GetSupplierBankAccounts

Name: <input name="name" tabindex="1" />

Age: <input name="age" tabindex="3" />

Email: <input name="email" tabindex="2" />

**Asp.Net**

Add TabIndex="x" to each control that can receive focus where x is an integer indicating the desired order of the controls.

* GetSub Onderwerpen, adhv een mainSubjectId
* Ook testen unittest automatisch sluiten, of dit allemaal nog werkt

**Ellen /Brita Dashboard stuurinformatie**

vwTableauRequestInstructions DEZE NIET nemen!

**WEL vwTableauTickets**

Ticket.ProposedSolutionDate t.o.v. huidige datum -> aantal dagen,

Dus bijv. wanneer ProposedSolutionDate over 5 dagen is tov nu, dan 5 weergeven. Ook negatieve waarden mogelijk. En 0.

* 1 kolom erbij in deze view

ProposedSolutionDate is als het goed is al uitgerekend adhv gekozen prioriteit / termijn

**Autofac Dependency Injector initialisatie in MVC-webapp**

**Global.asax.cs**

public class MvcApplication : System.Web.HttpApplication

{

[SuppressMessage("StyleCopPlus.StyleCopPlusRules", "SP0100:AdvancedNamingRules",

Justification = "ASP.Net framework expects a method by this name.")]

protected void Application\_Start()

{

Logging.Configure();

AreaRegistration.RegisterAllAreas();

FilterConfig.RegisterGlobalFilters(GlobalFilters.Filters);

RouteConfig.RegisterRoutes(RouteTable.Routes);

BundleConfig.RegisterBundles(BundleTable.Bundles);

AutofacConfig.ConfigureAutofac();

SitemapConfig.RegisterSitemap();

}

-----------------------------------------------------------------

public static class AutofacConfig

{

public static void ConfigureAutofac()

{

var builder = new ContainerBuilder();

builder.RegisterControllers(typeof(MvcApplication).Assembly);

builder.RegisterFilterProvider();

builder.RegisterType<ApplicationNameViewBagFilterAttribute>().AsActionFilterFor<Controller>();

builder.RegisterType<UserNameViewBagFilterAttribute>().AsActionFilterFor<Controller>();

builder.RegisterType<ApplicationsForUserViewBagAttribute>().AsActionFilterFor<Controller>();

builder.RegisterModule(

new MvcSiteMapProviderModule

{

IncludeAssembliesForScan = new[] { typeof(MvcApplication).Assembly.FullName },

SecurityTrimmingEnabled = true,

ApplicationCode = ConfigurationManager.AppSettings["MenuApplicationCode"]

});

RegisterServices(builder);

ModuleRegister.RegisterAllModules(builder);

var container = builder.Build();

DependencyResolver.SetResolver(new AutofacDependencyResolver(container));

}

-----------------------------------------------------------------

using Autofac;

namespace Bis.AutofacModules

{

public class ModuleRegister

{

static public void RegisterAllModules(Autofac.ContainerBuilder builder)

{

builder.RegisterModule(new DataAccessModule());

builder.RegisterModule(new RepositoryModule());

builder.RegisterModule(new BusinessModule());

}

}

}

-----------------------------------------------------------------

namespace Bis.AutofacModules

{

public class BusinessModule : Autofac.Module

{

protected override void Load(ContainerBuilder builder)

{

// Register all types/classes in assembly 'Bis.Business.dll' that have a name ending with 'Logic'

builder.RegisterAssemblyTypes(Assembly.Load("Bis.Business"))

.Where(t => t.Name.EndsWith("Logic"))

.AsImplementedInterfaces()

.InstancePerLifetimeScope();

}

}

}

-----------------------------------------------------------------

namespace Bis.AutofacModules

{

public class RepositoryModule : Autofac.Module

{

protected override void Load(ContainerBuilder builder)

{

// Register all types/classes in assembly 'Bis.Repository.dll' that have a name ending with 'Repository'

builder.RegisterAssemblyTypes(Assembly.Load("Bis.Repository"))

.Where(t => t.Name.EndsWith("Repository"))

.AsImplementedInterfaces()

.InstancePerLifetimeScope();

// Register exactly 1 instance for EF Context per (Web)Request

// (Everywhere in repositories / Unit Of work where a DBContext is injected, it is the same instance)

builder.RegisterType<BisContext>()

.AsSelf()

.InstancePerLifetimeScope();

// Register Unit Of Work (for transactions over 1 or multiple repositories)

builder.RegisterType<UnitOfWork>().As<IUnitOfWork>()

.AsImplementedInterfaces()

.InstancePerLifetimeScope();

// Create mappings for Repository layer (DAL <-> Business objects)

builder.Register(x => AutomapperRepositoryConfiguration.Configure())

.As<IMapper>()

.SingleInstance();

}

}

}

-----------------------------------------------------------------

using Autofac;

namespace Bis.AutofacModules

{

public class DataAccessModule : Autofac.Module

{

protected override void Load(ContainerBuilder builder)

{

}

}

}

-----------------------------------------------------------------

using System.Threading.Tasks;

namespace Bis.Repository.Interfaces

{

public interface IUnitOfWork

{

bool Save();

Task<bool> SaveAsync();

void BeginTransaction();

bool CommitTransaction(bool saveChangesBefore = true);

Task<bool> CommitTransactionAsync(bool saveChangesBefore = true);

void RollbackTransaction();

}

}

-----------------------------------------------------------------

using System;

using Bis.DataAccess;

using System.Data.Entity;

using Bis.Repository.Interfaces;

using System.Threading.Tasks;

namespace Bis.Repository

{

public class UnitOfWork : IUnitOfWork, IDisposable

{

private BisContext \_BisContext;

private DbContextTransaction \_Transaction;

public UnitOfWork(BisContext bisContext)

{

\_BisContext = bisContext;

}

public bool Save()

{

\_BisContext.SaveChanges();

return true;

}

public async Task<bool> SaveAsync()

{

await \_BisContext.SaveChangesAsync();

return true;

}

public void BeginTransaction()

{

\_Transaction = \_BisContext.Database.BeginTransaction();

}

public bool CommitTransaction(bool saveChangesBefore = true)

{

if (saveChangesBefore)

\_BisContext.SaveChanges();

\_Transaction.Commit();

return true;

}

public async Task<bool> CommitTransactionAsync(bool saveChangesBefore = true)

{

if (saveChangesBefore)

await \_BisContext.SaveChangesAsync();

\_Transaction.Commit();

return true;

}

public void RollbackTransaction()

{

\_Transaction.Rollback();

}

public void Dispose()

{

if (\_BisContext != null)

{

if (\_Transaction != null)

{

\_Transaction.Dispose();

\_Transaction = null;

}

}

}

}

}

-----------------------------------------------------------------

using Bis.Repository.Interfaces;

namespace Bis.Business

{

public class BaseLogic

{

protected IUnitOfWork \_UnitOfWork;

public BaseLogic(IUnitOfWork unitOfWork)

{

\_UnitOfWork = unitOfWork;

}

}

}

-----------------------------------------------------------------

using Bis.Business.Interfaces;

using Bis.Repository.Interfaces;

using Rabo.Bis.Core.DataModels;

using System;

using System.Collections.Generic;

using System.Linq;

using System.Threading.Tasks;

using BusinessEntities = Bis.Business.Entities;

using DataModels = Rabo.Bis.DataModels;

namespace Bis.Business

{

public class BuildResultLogic : BaseLogic, IBuildResultLogic

{

private IBuildResultRepository \_BuildResultRepository;

private ITestResultRepository \_TestResultRepository;

private IApplicationRepository \_ApplicationRepository;

public BuildResultLogic(

IUnitOfWork unitOfWork

,IBuildResultRepository buildResultRepository

,ITestResultRepository testResultRepository

,IApplicationRepository applicationRepository

)

: base(unitOfWork)

{

\_BuildResultRepository = buildResultRepository;

\_TestResultRepository = testResultRepository;

\_ApplicationRepository = applicationRepository;

}

#region "GetAllBuildResults"

public IList<BusinessEntities.BuildResultData> GetAllBuildResults(PeriodFilterEnum filterValue, string applicationCode)

{

return \_BuildResultRepository.GetAllBuildResults(filterValue, applicationCode).ToList();

}

-----------------------------------------------------------------------------

using Bis.Repository.Interfaces;

using Bis.DataAccess;

using AutoMapper;

using Rabo.Bis.Core.DataModels;

using System.Collections.Generic;

using System;

using Rabo.Bis.Core.Common;

using System.Linq; // !!

using System.Data.Entity;

using System.Threading.Tasks;

using DataAccessEntities = Bis.Entities.Data;

using BusinessEntities = Bis.Business.Entities;

using DataModels = Rabo.Bis.DataModels;

using CoreDataModels = Rabo.Bis.Core.DataModels;

using System.Data.Entity.Core.Objects;

namespace Bis.Repository.Repositories

{

public class BuildResultRepository : BaseRepository, IBuildResultRepository

{

public BuildResultRepository(

BisContext bisContext

, IMapper mapper

)

: base(bisContext, mapper)

{

}

#region "GetAllBuildResults"

// Synchronous

public IEnumerable<BusinessEntities.BuildResultData> GetAllBuildResults(CoreDataModels.PeriodFilterEnum filterValue, string applicationCode)

{

DateTime startdate = Utilities.GetStartDate(filterValue);

IQueryable<DataAccessEntities.BuildResult> query = GetAllBuildResultsQuery(startdate, applicationCode);

IEnumerable<DataAccessEntities.BuildResult> daList = query.ToList();

IEnumerable<BusinessEntities.BuildResultData> baList = daList.Select(item => ConvertBuildResultDaToBl(item));

return baList;

}

public IEnumerable<BusinessEntities.BuildResultData> GetAllBuildResults(CoreDataModels.PeriodFilterEnum filterValue)

{

return GetAllBuildResults(filterValue, null);

}

// Asynchronous

public async Task<IEnumerable<BusinessEntities.BuildResultData>> GetAllBuildResultsAsync(CoreDataModels.PeriodFilterEnum filterValue, string applicationCode)

{

DateTime startdate = Utilities.GetStartDate(filterValue);

IQueryable<DataAccessEntities.BuildResult> query = GetAllBuildResultsQuery(startdate, applicationCode);

IEnumerable<DataAccessEntities.BuildResult> daList = await query.ToListAsync();

IEnumerable<BusinessEntities.BuildResultData> baList = daList.Select(item => ConvertBuildResultDaToBl(item));

return baList;

}

public async Task<IEnumerable<BusinessEntities.BuildResultData>> GetAllBuildResultsAsync(CoreDataModels.PeriodFilterEnum filterValue)

{

return await GetAllBuildResultsAsync(filterValue, null);

}

// Query (as IQueryable)

private IQueryable<DataAccessEntities.BuildResult> GetAllBuildResultsQuery(DateTime startdate, string applicationCode)

{

// LEFT OUTER JOIN OP APPLICATION(CODE)

IQueryable<DataAccessEntities.BuildResult> queryAllBuildResults =

from buildResult in \_BisContext.BuildResults

from application in \_BisContext.Applications

.Where(application => ((application.Code != null) ? application.Code.ToLower() : string.Empty) == ((buildResult.BuildDefinition != null) && (buildResult.BuildDefinition.IndexOf(".") != -1) ? buildResult.BuildDefinition.Substring(0, buildResult.BuildDefinition.IndexOf(".")).ToLower() : buildResult.BuildDefinition.ToLower())).DefaultIfEmpty()

where (buildResult.StartedAt >= startdate) && ((applicationCode == null) || (application.Code == applicationCode))

orderby buildResult.StartedAt ascending, buildResult.BuildDefinition descending

select buildResult;

// INNER JOIN APPLICATION(CODE)

//IQueryable<DataAccessEntities.BuildResult> queryAllBuildResults =

// from buildResult in \_BisContext.BuildResults

// join application in \_BisContext.Applications

// on ((buildResult.BuildDefinition != null) && (buildResult.BuildDefinition.IndexOf(".") != -1) ? buildResult.BuildDefinition.Substring(0, buildResult.BuildDefinition.IndexOf(".")).ToLower() : buildResult.BuildDefinition.ToLower()) equals ((application.Code != null) ? application.Code.ToLower() : string.Empty)

// where (buildResult.StartedAt >= startdate) && ((applicationCode == null) || (application.Code == applicationCode))

// orderby buildResult.StartedAt ascending, buildResult.BuildDefinition descending

// select buildResult;

return queryAllBuildResults;

}

-----------------------------------------------------------------------------

**Analyse**

* Bij direct sluiten wordt geen ticket.SolutionDate ingevuld. Komt niet in status closed namelijk (ActionEnum.SaveNewTicket 52). Hoewel ie uiteindelijk wel die status heeft, maar niet via die ene centrale method ‘TicketService.ChangeStatusAndUpdateTicket’.
* Close automatically gaat zeker wel goed. Gewoon Close hoogstwaarschijnlijk ook.

**EditTicket.aspx**

<div class="buttonsPart AutoDisableDiv" data-disabledtext="Bezig met opslaan ...">

<aoc:AocLinkButton runat="server" ID="CancelButton" Text="Annuleren"

CssClass="BLUlinkButton" CausesValidation="false" Action="CancelTicket" />

<aoc:AocLinkButton runat="server" ID="DeleteButton" Text="Verwijderen" CausesValidation="false"

CssClass="BLUlinkButton" Action="DeleteTicket" OnClientClick="return confirm('Weet u zeker dat u het ticket wilt verwijderen?');" />

<aoc:AocLinkButton runat="server" ID="HandleButtonSD" Text="Behandelen" CausesValidation="true"

CssClass="BLUlinkButton AutoDisable" Action="HandleTicketSD" />

<aoc:AocLinkButton runat="server" ID="HandleButtonLB" Text="Toewijzen aan LB" CausesValidation="true"

CssClass="BLUlinkButton" Action="HandleTicketLB" />

<aoc:AocLinkButton runat="server" ID="AssignTicketToSDButton" Text="Toewijzen aan SD" CausesValidation="true"

CssClass="BLUlinkButton" Action="TicketActionRequired" />

<aoc:AocLinkButton runat="server" ID="HandleButton2L" Text="Toewijzen aan 2L" CausesValidation="true"

CssClass="BLUlinkButton" Action="HandleTicket2L" />

<aoc:AocLinkButton runat="server" ID="ContinueTicketButton" Text="Continueren" CausesValidation="true"

CssClass="BLUlinkButton AutoDisable" Action="ContinueTicket" />

<aoc:AocLinkButton runat="server" ID="EvaluateTicketButton" Text="Afhandelen" CausesValidation="true"

CssClass="BLUlinkButton" Action="EvaluateTicket" OnClientClick="return ConfirmAfterValidate('validateEvaluate', 'Ticket wordt ter beoordeling voorgelegd aan lokale bank. Doorgaan?')" ValidationGroup="validateEvaluate" />

<aoc:AocLinkButton runat="server" ID="CloseTicketButton" Text="Goedkeuren" CausesValidation="true"

CssClass="BLUlinkButton" Action="CloseTicket" OnClientClick="return ConfirmIfEnabled(this, 'Goedkeuren - Ticket wordt gesloten. Doorgaan?');" />

<aoc:AocLinkButton runat="server" ID="DisapproveButton" Text="Afkeuren" CausesValidation="true"

CssClass="BLUlinkButton AutoDisable" Action="DisapproveTicket" />

<aoc:AocLinkButton runat="server" ID="ReopenTicketButton" Text="Heropenen" CausesValidation="true"

CssClass="BLUlinkButton" Action="ReopenTicket" OnClientClick="return confirm('Ticket wordt heropend. Doorgaan?');" />

<aoc:AocLinkButton runat="server" ID="SaveButton" Text="Opslaan" CausesValidation="true"

CssClass="BLUlinkButton AutoDisable Primary" Action="SaveTicket" />

</div>

</pc4:RaboPanel>

Task.Run(…

Asynchroon, maakt dan geel onderdeel meer uit van request. Wel testen of dit echt zo is -> thread.sleep(

**Long Running process on server**

<http://www.aspdotnetmatters.com/2010/08/aspnet-handling-long-running-process-in.html>

<configuration>

...

<compilation debug="false" ...>

... other stuff ..

<location path="~/Admin/SomePage.aspx">

<system.web>

<sessionState timeout="240" />

<httpRuntime executionTimeout="14400" />

</system.web>

</location>

...

</configuration>

Below I gave the config for you Googlers needing the same quick fix. You should ofcourse use other values than my '4 hour' example, but **DO** note that the session timeOut is in minutes, while the request executionTimeout is in seconds!

And - since it's 2015 already - for a NON- quickfix you should use .Net 4.5's [async/await](https://msdn.microsoft.com/en-us/library/hh191443.aspx) now if at all possible, instead of the .NET 2.0's ASYNC page that was state of the art when KEV answered in 2010 :).

The yellow screen of death is great for debugging but not so nice in a production environment. To turn on custom error messages you must change web.config: locate the customErrors tag under system.web and change the mode attribute to “On” for the production environment. If your web.config does not have this tag then add it:

|  |  |
| --- | --- |
| 1  2 | <system.web>      <customErrors mode="On"></customErrors> |

<sessionState timeout="240" />

<httpRuntime executionTimeout="14400" />

Request timed out.

<http://www.asp.net/web-forms/overview/performance-and-caching/using-asynchronous-methods-in-aspnet-45>

<http://haacked.com/archive/2011/10/16/the-dangers-of-implementing-recurring-background-tasks-in-asp-net.aspx/>

Long Running Tasks in ASP.NET Web Forms

<https://alandjackson.wordpress.com/2013/05/30/long-running-tasks-in-asp-net-web-forms/>

==========================================================

**Running Long Running Task from Asp.Net**

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Threading;

using System.Threading.Tasks;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication1

{

public partial class MyAsync : System.Web.UI.Page

{

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void btnStart\_Click(object sender, EventArgs e)

{

try

{

int userId = 7;

btnStart.Text = "Gestart";

LongTaskHelper.RunLongRunningMethod(userId, GenerateBigReport);

}

catch (Exception ex)

{

File.AppendAllText(@"c:\temp2\t2\klaar3-foutje.txt", "some contents..." + ex.ToString());

}

}

// ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

public static void GenerateBigReport(int userId)

{

//Thread.Sleep(92000); //5000); // 92000

//throw new Exception("Foutje big report!...");

Thread.Sleep(2000);

File.AppendAllText(@"c:\temp2\t2\bezig2.txt", "1");

Thread.Sleep(3000);

File.AppendAllText(@"c:\temp2\t2\bezig3.txt", "2");

Thread.Sleep(4000);

File.AppendAllText(@"c:\temp2\t2\bezig4.txt", "3");

Thread.Sleep(30000);

File.AppendAllText(@"c:\temp2\t2\klaar2.txt", "some contents...");

}

}

/// <summary>

/// A TPL Task (piece of work) to be executed in the webserver ThreadPool (this is not necessarily in a new thread).

/// E.g.: LongTaskHelper.RunLongRunningMethod(userId, GenerateBigReport);

/// <sessionState ... timeout="30" Session Timeout in minutes. Default 20 minutes.

/// <httpRuntime ... executionTimeout="300" Request Timeout in seconds (works only if compilation debug=False in config-file). Default is about 100 seconds.

/// cmd.SqlCommandTimeout Timeout in seconds for executing sql query. Default is 30 seconds. DbContext.Database.CommandTimeout = 180;

/// </summary>

public class LongTaskHelper

{

public static void RunLongRunningMethod(int userId, Action<int> longRunningMethod)

{

Task task1 = Task.Factory.StartNew(() => longRunningMethod(userId));

try

{

task1.Wait();

}

catch (AggregateException ae)

{

foreach (var e in ae.InnerExceptions)

{

File.AppendAllText(@"c:\temp2\t2\klaar2-fout.txt", userId.ToString() + " " + e.ToString());

}

}

}

}

}

------------------------------------

TaskResult.aspx?userId=…&TaskObjectName=…&ObjectType=…

Of TaskObjectId ?

* In een linkje in de e-mail meesturen, end dan vandaar linken naar deze .aspx

**WebSite base url: (can end on ‘/’)**

Request.Url.GetLeftPart(UriPartial.Authority) + Request.ApplicationPath

…

<http://localhost/aocflow/Admin/TaskResult.aspx>

**Task.Run(**

Runt gewoon alles hierbinnen in een aparte task op de achtergrond, zorgt dat de huidige code niet blokt, gewoon verder kan.

Code hierbinnen mag gewoon synchroon zijn. Asynchroon maken maakt het hooguit nog iets efficienter.

In De methode die je aanroept in Task.Run kan je een try..except bouwen. Die werkt ook (getest).

Een andere manier om Exceptions af te vangen met task.Run is om om Task.Run aanroep heen ‘aggregatedExceptions’ op te vangen.

**Public Class ErrorHandling in portal applicatie**

**Log-directory:**

c:\temp\log applicationcode +.txt

Private Shared Sub saveToLog(ByVal message As String, ByVal applicatieCode As String, ByVal applicationUser As String, ByVal errorNumber As Integer, ByVal logLevel As TraceLevel)

Dim fileName As String

Dim filePath As String = "c:\Temp\Log"

Dim fullFilename As String

Dim fs As FileStream

Dim w As StreamWriter = Nothing ' create a Char writer

Dim applCode As String

Try

If traceSwitch.Level >= logLevel OrElse logLevel <= TraceLevel.Error Then

'Get applicationcode for personalizing log per application

If applicatieCode IsNot Nothing Then

applCode = applicatieCode

Else

applCode = "General"

End If

'check if directory exists, if not create

If Not Directory.Exists(filePath) Then

Directory.CreateDirectory(filePath)

End If

'create filename

If logLevel = 1 Then

fileName = applCode & "\_log.txt"

Else

fileName = applCode & "\_log" & logLevel.ToString & ".txt"

End If

fullFilename = filePath & "\" & fileName

'When file does not exsist create it

fs = New FileStream(filePath & "\" & fileName, FileMode.OpenOrCreate, FileAccess.ReadWrite)

w = New StreamWriter(fs) ' create a Char writer

w.BaseStream.Seek(0, SeekOrigin.End) ' set the file pointer to the beginning

w.WriteLine()

w.WriteLine("ErrorNumber: " + errorNumber.ToString)

w.WriteLine("TraceLevel: " + logLevel.ToString)

w.WriteLine("Log Entry : {0} {1} ", DateTime.Now.ToLongTimeString(), DateTime.Now.ToLongDateString())

If applicationUser IsNot Nothing Then

w.WriteLine("User: " + applicationUser)

Else

w.WriteLine("User: onbekend")

End If

w.WriteLine(message)

w.WriteLine()

w.Flush() ' update underlying file

w.Close() ' close the writer and underlying file

End If

Finally

If w IsNot Nothing Then

w.Close()

End If

fs = Nothing

w = Nothing

End Try

End Sub

#End Region

Imports System.IO

''' <summary>

''' A TPL Task (piece of work) to be executed in the webserver ThreadPool (this is not necessarily in a new thread).

''' E.g.: LongRunningTaskHelper.RunMethod(userId, GenerateBigReport); // GenerateBigReport returns void, and has 1 int parameter 'userId'

'''

''' sessionState ... timeout="30" Session Timeout in minutes. Default 20 minutes.

''' httpRuntime ... executionTimeout="300" Request Timeout in seconds (works only if compilation debug=False in config-file). Default is about 100 seconds.

''' cmd.SqlCommandTimeout Timeout in seconds for executing sql query. Default is 30 seconds. DbContext.Database.CommandTimeout = 180;

''' </summary>

Public Class LongRunningTaskHelper

Private Shared ReadOnly \_logger As ILogger = New Logger()

Public Shared Function RunMethod(userId As Integer, longRunningMethod As Action(Of Integer)) As Task

Return Task.Factory.StartNew(Sub() longRunningMethod(userId))

'Try

' task1.Wait()

'Catch ae As AggregateException

' For Each ex In ae.InnerExceptions

' \_logger.LogError(ex)

' Next

'End Try

End Function

End Class

IF EXISTS (SELECT \* FROM sys.columns WHERE object\_id = OBJECT\_ID(N'[dbo].[ApplicationUser]') AND name = 'Email')

BEGIN

ALTER TABLE [dbo].[ApplicationUser] ADD [Email] [nvarchar](255) NULL;

END

**Leverancier bestand upload**

- Leverancier (Overview) scherm maken

- Gridje erop

- Upload button erbij, en upload bouwen

* 1 scherm maken, leveranciers. -> Admin -> Onderhoud leveranciers   
   -> EditSuppliers.aspx

' Refresh page (and thus result overview grid) after generation in the case the user stays on this page waiting for result

Response.Redirect(Request.RawUrl)

Public Sub MergeSuppliersFromList(supplierList As List(Of Supplier)) Implements ITicketRepository.MergeSuppliersFromList

Using context As New AocFlowEntities

Using connection As New SqlConnection(context.Database.Connection.ConnectionString)

Dim sql As String = GetMergeScriptSqlFromSupplierList(supplierList)

Dim command As New SqlCommand()

command.CommandType = CommandType.Text

command.CommandText = sql

command.Connection = connection

'\*\*\* moet weg

'File.WriteAllText("c:\temp2\langeimportsql-csv.txt", sql)

If (Not connection.State = ConnectionState.Open) Then

connection.Open()

End If

command.CommandTimeout = 600

command.ExecuteNonQuery()

End Using

End Using

End Sub

Private Function GetMergeScriptSqlFromSupplierList(supplierList As List(Of Supplier)) As String

Dim result As String = Nothing

Dim sbSql = New StringBuilder()

sbSql.AppendLine("-- SET NOCOUNT ON added to prevent extra result sets from interfering with SELECT statements. ")

sbSql.AppendLine("SET NOCOUNT ON; ")

sbSql.AppendLine("")

' Merge values of source (.csv file) to table Supplier

sbSql.AppendLine("MERGE INTO dbo.Supplier AS Target ")

sbSql.AppendLine("USING ( VALUES ")

For iSupplier = 0 To (supplierList.Count - 1)

Dim supplier As Supplier = supplierList(iSupplier)

Dim dataLine As String = String.Format(

" ({0}, '{1}', '{2}', '{3}', '{4}', {5}, {6}){7} ",

supplier.CreditorNumber \_

, supplier.Name.Replace("'", "''") \_

, supplier.BankAccountNumber \_

, supplier.Email.Replace("'", "''") \_

, supplier.PhoneNumber \_

, If(supplier.Active, "1", "0") \_

, supplier.SupplierBatchId \_

, If(iSupplier < (supplierList.Count - 1), ",", "")

)

sbSql.AppendLine(dataLine)

Next

sbSql.AppendLine(") AS Source (CreditorNumber, Name, BankAccountNumber, Email, PhoneNumber, Active, SupplierBatchId) ")

sbSql.AppendLine("ON Target.CreditorNumber = Source.CreditorNumber ")

sbSql.AppendLine("")

' Update when in table (includes updating 'Active')

sbSql.AppendLine("WHEN MATCHED THEN ")

sbSql.AppendLine("UPDATE SET ")

sbSql.AppendLine(" Name = Source.Name ")

sbSql.AppendLine(", BankAccountNumber = Source.BankAccountNumber ")

sbSql.AppendLine(", Email = Source.Email ")

sbSql.AppendLine(", PhoneNumber = Source.PhoneNumber ")

sbSql.AppendLine(", Active = Source.Active ")

sbSql.AppendLine(", SupplierBatchId = Source.SupplierBatchId ")

sbSql.AppendLine("")

' Insert when not in table yet

sbSql.AppendLine("WHEN Not MATCHED BY TARGET THEN ")

sbSql.AppendLine("INSERT(CreditorNumber, Name, BankAccountNumber, Email, PhoneNumber, Active, SupplierBatchId) ")

sbSql.AppendLine(" VALUES(CreditorNumber, Name, BankAccountNumber, Email, PhoneNumber, Active, SupplierBatchId) ")

sbSql.AppendLine("")

sbSql.AppendLine(";") ' Must be included

result = sbSql.ToString()

Return result

End Function

---------------------------------------------------------------------------------

Private Shared Sub saveToLog(ByVal message As String, ByVal applicatieCode As String, ByVal applicationUser As String, ByVal errorNumber As Integer, ByVal logLevel As TraceLevel)

Dim fileName As String

Dim filePath As String = "c:\Temp\Log"

Dim fullFilename As String

Dim fs As FileStream

Dim w As StreamWriter = Nothing ' create a Char writer

Dim applCode As String

Try

If traceSwitch.Level >= logLevel OrElse logLevel <= TraceLevel.Error Then

'Get applicationcode for personalizing log per application

If applicatieCode IsNot Nothing Then

applCode = applicatieCode

Else

applCode = "General"

End If

'check if directory exists, if not create

If Not Directory.Exists(filePath) Then

Directory.CreateDirectory(filePath)

End If

'create filename

If logLevel = 1 Then

fileName = applCode & "\_log.txt"

Else

fileName = applCode & "\_log" & logLevel.ToString & ".txt"

End If

' ==========================

Dim slist = New List(Of Supplier)

Dim supplier1 As Supplier = New Supplier()

supplier1.CreditorNumber = 1

supplier1.Name = "one"

supplier1.BankAccountNumber = "12345"

supplier1.Email = "a@A.nl"

supplier1.PhoneNumber = "0000"

supplier1.Active = True

slist.Add(supplier1)

Dim supplier2 As Supplier = New Supplier()

supplier2.CreditorNumber = 1

supplier2.Name = "One"

supplier2.BankAccountNumber = "12345"

supplier2.Email = "A@A.nl"

supplier2.PhoneNumber = "0000"

supplier2.Active = True

slist.Add(supplier2)

Dim supplier3 As Supplier = New Supplier()

supplier3.CreditorNumber = 1

supplier3.Name = "one"

supplier3.BankAccountNumber = "12345"

supplier3.Email = "A@B.nl"

supplier3.PhoneNumber = "0000"

supplier3.Active = True

slist.Add(supplier3)

Dim supplier4 As Supplier = New Supplier()

supplier4.CreditorNumber = 1

supplier4.Name = "one"

supplier4.BankAccountNumber = "12345"

supplier4.Email = "A@B.nl"

supplier4.PhoneNumber = "0001"

supplier4.Active = False

slist.Add(supplier4)

Dim sList2 = slist.Distinct(New SupplierCaseInsensitiveComparer()).ToList()

' ==========================

' Private distinct As var = List.Distinct(New CaseInsensitiveComparer())

Public Class SupplierCaseInsensitiveComparer

Implements IEqualityComparer(Of Supplier)

Public Function Supplier\_Equals(x As Supplier, y As Supplier) As Boolean Implements IEqualityComparer(Of Supplier).Equals

Return \_

(x.CreditorNumber.Equals(y.CreditorNumber)) AndAlso

(x.Name.Equals(y.Name, StringComparison.OrdinalIgnoreCase)) AndAlso

(x.BankAccountNumber.Equals(y.BankAccountNumber, StringComparison.OrdinalIgnoreCase)) AndAlso

(x.Email.Equals(y.Email, StringComparison.OrdinalIgnoreCase)) AndAlso

(x.PhoneNumber.Equals(y.PhoneNumber, StringComparison.OrdinalIgnoreCase))

End Function

Public Function Supplier\_GetHashCode(obj As Supplier) As Integer Implements IEqualityComparer(Of Supplier).GetHashCode

Return obj.Name.ToLowerInvariant().GetHashCode()

End Function

End Class

' Private distinct As var = List.Distinct(New CaseInsensitiveComparer())

Public Class SupplierCaseInsensitiveComparer

Implements IEqualityComparer(Of Supplier)

Public Function Supplier\_Equals(x As Supplier, y As Supplier) As Boolean Implements IEqualityComparer(Of Supplier).Equals

Return \_

(x.CreditorNumber.Equals(y.CreditorNumber)) AndAlso

(x.Name.Equals(y.Name, StringComparison.OrdinalIgnoreCase)) AndAlso

(x.BankAccountNumber.Equals(y.BankAccountNumber, StringComparison.OrdinalIgnoreCase)) AndAlso

(x.Email.Equals(y.Email, StringComparison.OrdinalIgnoreCase)) AndAlso

(x.PhoneNumber.Equals(y.PhoneNumber, StringComparison.OrdinalIgnoreCase))

End Function

Public Function Supplier\_GetHashCode(obj As Supplier) As Integer Implements IEqualityComparer(Of Supplier).GetHashCode

Return obj.Name.ToLowerInvariant().GetHashCode()

End Function

End Class

**Gebruiken NuGet:**

1a.) Installeer via -> Solution -> rechtermuisknop -> Install Nuget package -> kies

Welk NuGet pakage op Internet, en voor welke projecten in je solution

1b.) Via -> Tools -> Package Console -> (re)install …name package

In de project-file (.csproj of .vbproj) wordt dan de referentie toegevoegd:

**<Reference Include="Moq">**

**<HintPath>..\packages\Moq.4.2.1402.2112\lib\net40\Moq.dll</HintPath>**

**</Reference>**

NuGet voegt vervolgens in elke ‘packages.config’ per project in je solution een verwijzing naar een package toe. Bijv.:

<package id="log4net" version="2.0.5" targetFramework="net451" />

Wanneer niet automatisch referenties aangemaakt worden in een project, kan je ze ook automatisch toevoegen. In beide gevallen wordt een relatief pad toegevoegd naar de centrale package dll in de solution. Er is dus maar 1 dll voor de hele solution.

Tijdens uitrollen is de packages.config niet nodig. Dit is puur voor tijdens ontwikkelen voor NuGet. Alleen de dll uit packages moet uitgerold worden.

TODO do

* Validatie-functie maken op file-formaat csv file.
* Stored procs maken voor 2 import functies in ticketrepository
* Logging inbouwen mbv Log4Net
* Ticket Lijsten bouwen

FileLogger.Log("bla...") '\*\*\*

FileLogger.Log("bla2...") '\*\*\*

FileLogger.Log("info...", LogLevelEnum.Info) '\*\*\*

FileLogger.Log("warn...", LogLevelEnum.Warning) '\*\*\*

FileLogger.Log("error...", LogLevelEnum.Error) '\*\*\*

Try

Throw New ArgumentException("Foutje!...")

Catch ex As Exception

FileLogger.Log("error catch...", LogLevelEnum.Error, ex) '\*\*\*

End Try

…

-- TicketRepository.GetTicketSubjects

declare @includeDeleted as bit = 0;

declare @targetGroupId int = null;

SELECT

[Extent1].[Id] AS [Id],

CAST( [Extent1].[Id] AS nvarchar(max)) AS [C1],

[Extent1].[Name] AS [Name],

CAST( [Extent1].[ParentId] AS nvarchar(max)) AS [C2]

FROM [dbo].[TicketSubject] AS [Extent1]

WHERE (@includeDeleted = 1 OR [Extent1].[IsDeleted] = 0)

AND (([Extent1].[TargetGroupId] = @targetGroupId) OR (([Extent1].[TargetGroupId] IS NULL) AND (@targetGroupId IS NULL)) OR (@targetGroupId IS NULL))

**GBS**

Roel van Keulen

Ernest te Winkel

**CSS Styles**

/\* Is leidend over een button class \*/

input[type="button"]

{

background-color:#ffff00;

}

/\* Is leidend over een eerder gedefinieerde css rule (in dit geval in een externe css file) \*/

.button1style

{

background-color:#0000ff;

}

**DacPac commando uitvoeren**

"C:\Users\witc\DACPACtooling\Bin\SqlPackage.exe" /Action:Script /sourcefile:".\CRIS\_SRP.dacpac" /profile:".\CRIS\_SRP.Prd.publish.xml" /op:".\script CRIS\_SRP.sql"

Pause

crisdbuat\cris\_uat\_01

crisman

Constant de Wit

Developer Business Intelligence

Control Risk Information Services

Dit genereert ook de Sql script file.

**Nightly build probleem Martijn Burgers Aoc**

Fout bij uploaden van de build-results. Dit uploaden is de laatste stap na het uitvoeren van de testen. Leon heeft die stap verwijdert uit de Build controller, waardoor de Build nu niet meer hangt. AocFlow.SD.App.Nightly\_... is de naam van de build in TFS.

**Geld veld in MVC**

<http://stackoverflow.com/questions/14403803/asp-net-mvc-4-currency-field>

Schrijf eigen ModelBinder

**Display en Editor Template**

Deze templates / partial Views worden gerenderd na aanroep van resp.

@Html.EditorFor( en @Html.DisplayFor(

Bijv.: @Html.EditorFor(m => m.StartDate)

Je kan templates (partial views)maken voor een datatype, zoals decimal, curreny, int, Boolean etc. Maar je kan ook voor een complex type een template maken.

**Shared view voor Create en Edit**

Je kan een zelfde view gebruiken voor zowel Create als Edit, maar dit wordt afgeraden. Wat wel slim is, is om voor het ‘gedeelde’ / zelfde deel een partial view te maken, en deze te gebruiken in zowel Create als Edit.

Html velden zal je dus op een Create form renderen dmv DisplayFor. En op Edit dmv EditorFor.

**Lambda expressions**

Func<TModel, TValue> expression

jQuery datepicker kan je maken door een class ‘datepicker’ op een <input type=”text” element te zetten.

Ook moet jke hiervoor jQuery-ui js en css te includen inde pagina (via Layout page en BundleConfig). Tenslotte moet je de datepicker(s) nog wel ‘activeren’ dmv een javascript-aanroep. (Beste om alle elementen op deze classname te initialiseren).

**Culture / Language / Internationalization**

decimal d = 2234.561M;

string sss = d.ToString("N2", CultureInfo.CurrentCulture); // 2.234,56

string sssUS = d.ToString("N2", new CultureInfo("en-US")); // 2,234.56

**Fouten Aoc productie, Analyse**

The wait operation timed out

C:\projects\JochemsM\BDS\CRIS\_PORTAL\General\Trunk\Main\PortalLibrary\Menu\MenuItemList.vb

Private Sub initialiseMenuItemList(ByRef menu As Menu, ByRef showDeletedMenuItems As Boolean, ByVal UserRoleCo

* Selectmenuitemsbymenu -> timed out

Database CRIS\_PORTAL

-- exec uspGetMenuItemsByMenu

declare @menuId int; -- -1 of value

declare @ApplicationUserId int; -- -1 of value

declare @ShowDeletedMenuItems bit; -- showDeletedMenuItems defalt false / 0

declare @UserRoleCode varchar; -- userRoleCode of niet invullen

ApplicationId AocFlow: 80

ApplicationUser JochemsM: 4439

Aoc (Main)MenuId: 95

-------------

EXEC [dbo].[uspGetMenuItemsByMenu]

@MenuId = 95,

@ApplicationUserId = 4439,

@ShowDeletedMenuItems = 0

Geeft rijen terug

-----------------------

**Sql Server Command Mode / variabelen**

The :setvar only works in SQL command mode, so you are possibly within normal SQL execution in the management studio and have not swapped to command mode.

This can be done through the user interface in SQL Server Management Studio by going to the "Query" menu, and selecting "SQLCMD mode."

SET ANSI\_NULLS, ANSI\_PADDING, ANSI\_WARNINGS, ARITHABORT, CONCAT\_NULL\_YIELDS\_NULL, QUOTED\_IDENTIFIER ON;

SET NUMERIC\_ROUNDABORT OFF;

GO

:setvar CRIS\_PORTAL "CRIS\_PORTAL"

:setvar CRIS\_AocFlow "CRIS\_AocFlow"

:setvar CRIS\_CommonData "CRIS\_CommonData"

:setvar master "master"

:setvar DatabaseName "CRIS\_AocFlow"

:setvar DefaultFilePrefix "CRIS\_AocFlow"

:setvar DefaultDataPath "F:\MSSQL$CRIS\_PRD\_01\UserData\"

:setvar DefaultLogPath "G:\MSSQL$CRIS\_PRD\_01\UserLog\"

GO

:on error exit

GO

/\*

Detect SQLCMD mode and disable script execution if SQLCMD mode is not supported.

To re-enable the script after enabling SQLCMD mode, execute the following:

SET NOEXEC OFF;

\*/

:setvar \_\_IsSqlCmdEnabled "True"

GO

IF N'$(\_\_IsSqlCmdEnabled)' NOT LIKE N'True'

BEGIN

PRINT N'SQLCMD mode must be enabled to successfully execute this script.';

SET NOEXEC ON;

END

GO

USE [$(DatabaseName)];

GO

---------------------------------

/\*

Pre-Deployment Script Template

--------------------------------------------------------------------------------------

This file contains SQL statements that will be executed before the build script.

Use SQLCMD syntax to include a file in the pre-deployment script.

Example: :r .\myfile.sql

Use SQLCMD syntax to reference a variable in the pre-deployment script.

Example: :setvar TableName MyTable

SELECT \* FROM [$(TableName)]

--------------------------------------------------------------------------------------

\*/

----------------------------

**Create signature (= name plus function description) with Outlook**

**Simpelste:**-> New Mail -> Signatures -> Signature -> New -> …

**Alternatief**

* File -> Options -> Account Information
* Mail -> Signatures -> New

**jQuery. … is same as $. … (just a shortcut notation)**

Picking Culture Info from Browser

Sometimes, user also sets culture preferences in the browser. And lots of applications rely on it. So we can also read the culture information from the browser and can load the page accordingly. To get the culture information, we can use the following:

Hide   Copy Code

var language = "<%= Request.UserLanguages[0] %>";

jQuery.preferCulture(language);

Aims findings, goedkeuringen, workflow

-- GetTicketsToBeClosedAutomatically query (EF) -> zou 0 rows terug moeten geven wanneer succesvol uitgevoerd

--

-- TicketStatusEnum.Evaluating = 6

-- maxDate = 5 werkagen terug tov vandaag

declare @evaluatingStatus int = 6;

declare @maxDate datetime = '2016-10-16 11:29:49.733';

SELECT

[Project2].[Id] AS [Id],

[Project2].[Code] AS [Code],

[Project2].[TicketTypeId] AS [TicketTypeId],

[Project2].[RequesterId] AS [RequesterId],

[Project2].[RequesterRoleId] AS [RequesterRoleId],

[Project2].[RequesterPhoneNumber] AS [RequesterPhoneNumber],

[Project2].[TicketChannelId] AS [TicketChannelId],

[Project2].[InitiatorUserId] AS [InitiatorUserId],

[Project2].[InitiatorRoleId] AS [InitiatorRoleId],

[Project2].[TicketSubjectId] AS [TicketSubjectId],

[Project2].[Title] AS [Title],

[Project2].[Description] AS [Description],

[Project2].[Solution] AS [Solution],

[Project2].[StatusId] AS [StatusId],

[Project2].[HandlerId] AS [HandlerId],

[Project2].[TicketSolutionTermId] AS [TicketSolutionTermId],

[Project2].[RowVers] AS [RowVers],

[Project2].[CreatedAt] AS [CreatedAt],

[Project2].[ProposedSolutionDate] AS [ProposedSolutionDate],

[Project2].[SolutionDate] AS [SolutionDate],

[Project2].[TeamId] AS [TeamId],

[Project2].[TargetGroupId] AS [TargetGroupId],

[Project2].[PriorityId] AS [PriorityId]

FROM ( SELECT

[Extent1].[Id] AS [Id],

[Extent1].[Code] AS [Code],

[Extent1].[TicketTypeId] AS [TicketTypeId],

[Extent1].[RequesterId] AS [RequesterId],

[Extent1].[RequesterRoleId] AS [RequesterRoleId],

[Extent1].[RequesterPhoneNumber] AS [RequesterPhoneNumber],

[Extent1].[TicketChannelId] AS [TicketChannelId],

[Extent1].[InitiatorUserId] AS [InitiatorUserId],

[Extent1].[InitiatorRoleId] AS [InitiatorRoleId],

[Extent1].[TicketSubjectId] AS [TicketSubjectId],

[Extent1].[Title] AS [Title],

[Extent1].[Description] AS [Description],

[Extent1].[Solution] AS [Solution],

[Extent1].[StatusId] AS [StatusId],

[Extent1].[HandlerId] AS [HandlerId],

[Extent1].[TicketSolutionTermId] AS [TicketSolutionTermId],

[Extent1].[RowVers] AS [RowVers],

[Extent1].[CreatedAt] AS [CreatedAt],

[Extent1].[ProposedSolutionDate] AS [ProposedSolutionDate],

[Extent1].[SolutionDate] AS [SolutionDate],

[Extent1].[TeamId] AS [TeamId],

[Extent1].[TargetGroupId] AS [TargetGroupId],

[Extent1].[PriorityId] AS [PriorityId],

(SELECT TOP (1) [Project1].[CreatedAt] AS [CreatedAt]

FROM ( SELECT

[Extent2].[CreatedAt] AS [CreatedAt]

FROM [dbo].[TicketHistory] AS [Extent2]

WHERE [Extent1].[Id] = [Extent2].[TicketId]

) AS [Project1]

ORDER BY [Project1].[CreatedAt] DESC) AS [C1]

FROM [dbo].[Ticket] AS [Extent1]

) AS [Project2]

WHERE ([Project2].[StatusId] = @evaluatingStatus) AND ([Project2].[C1] < @maxDate)

**In assemblyInfo toevoegen (met verwijzing naar app.config of web.config):**

[assembly: log4net.Config.XmlConfigurator(ConfigFile = "app.config", Watch = true)]

Imports log4net

''' <summary>

''' Logger for logging on file-level, in (relative) folder on WebServer. For Info, Warning and Error messages.

'''

''' Log4Net log levels:

''' ----------------------

''' DEBUG Shows all messages

''' INFO Shows all besides DEBUG messages

''' WARN

''' ERROR

''' FATAL

''' </summary>

Public Class FileLogger

' This initialisation is called once

Private Shared ReadOnly \_Log As ILog

' This initialisation is also called once

Shared Sub New()

log4net.Config.XmlConfigurator.Configure() ‘ configures Log4Net according to logfile

\_Log = LogManager.GetLogger(System.Reflection.MethodBase.GetCurrentMethod().DeclaringType)

End Sub

Public Shared Sub Log(message As String)

Log(message, LogLevel.Info)

End Sub

Public Shared Sub Log(message As String, logLevel As LogLevel)

Log(message, logLevel, Nothing)

End Sub

Public Shared Sub Log(message As String, logLevel As LogLevel, ex As Exception)

Select Case logLevel

Case LogLevel.Info

If (\_Log.IsInfoEnabled) Then

If (ex Is Nothing) Then

\_Log.Info(message)

Else

\_Log.Info(message, ex)

End If

End If

Case LogLevel.Warning

If (\_Log.IsWarnEnabled) Then

If (ex Is Nothing) Then

\_Log.Warn(message)

Else

\_Log.Warn(message, ex)

End If

End If

Case LogLevel.Error

If (\_Log.IsErrorEnabled) Then

If (ex Is Nothing) Then

\_Log.Error(message)

Else

\_Log.Error(message, ex)

End If

End If

End Select

End Sub

End Class

<?xml version="1.0" encoding="utf-8"?>

<!--

For more information on how to configure your ASP.NET application, please visit

http://go.microsoft.com/fwlink/?LinkId=169433

-->

<configuration>

<configSections>

<section name="entityFramework" type="System.Data.Entity.Internal.ConfigFile.EntityFrameworkSection, EntityFramework, Version=6.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089" requirePermission="false" />

<section name="development" type="System.Configuration.DictionarySectionHandler,system, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089, Custom=null" />

<section name="testing" type="System.Configuration.DictionarySectionHandler,system, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089, Custom=null" />

<section name="acceptation" type="System.Configuration.DictionarySectionHandler,system, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089, Custom=null" />

<section name="production" type="System.Configuration.DictionarySectionHandler,system, Version=1.0.5000.0, Culture=neutral, PublicKeyToken=b77a5c561934e089, Custom=null" />

<!-- For more information on Entity Framework configuration, visit http://go.microsoft.com/fwlink/?LinkID=237468 -->

<section name="glimpse" type="Glimpse.Core.Configuration.Section, Glimpse.Core" />

<!-- Log4Net section reference -->

<section name="log4net" type="log4net.Config.Log4NetConfigurationSectionHandler" />

</configSections>

<!-- Log4Net section settings -->

<log4net>

<root>

<level value="INFO" />

<appender-ref ref="RollingFileAppender" />

</root>

<appender name="RollingFileAppender" type="log4net.Appender.RollingFileAppender">

<file value="c:\temp\log\Aoc\_Website\_Log\_" />

<datePattern value="yyyy-MM-dd'.txt'" />

<staticLogFileName value="false" />

<appendToFile value="true" />

<rollingStyle value="Date" />

<layout type="log4net.Layout.PatternLayout">

<conversionPattern value="%date{dd-MM-yyyy HH:mm:ss} %-5level - %message%newline" />

</layout>

</appender>

</log4net>

<development>

**Soms werkt het niet doordat je niet expliciet genoeg de section (assembly details noemt:**

<!--<section name="log4net" type="log4net.Config.Log4NetConfigurationSectionHandler" />-->

<section name="log4net" type="log4net.Config.Log4NetConfigurationSectionHandler,log4net, Version=1.2.15.0, Culture=neutral, PublicKeyToken=669e0ddf0bb1aa2a" />

**Aanroepen vanuit applicatie:**

Public Sub LogInfo(message As String) Implements ILogger.LogInfo

FileLogger.Log(message, LogLevel.Info)

End Sub

Public Sub LogWarning(message As String) Implements ILogger.LogWarning

FileLogger.Log(message, LogLevel.Warning)

End Sub

Public Function LogError(message As String, ex As Exception, alsoLogToPortal As Boolean) As Integer Implements ILogger.LogError

FileLogger.Log(message, LogLevel.Error, ex)

If (alsoLogToPortal) Then

Return ErrorHandling.SaveExceptionToLog(ex)

End If

Return 0

End Function

weggehaald

**Getest, werkt (stelt de culture in .Net serverside in op taal van browser enduser)**

**Web.config**

Onder <system.web> :

<!-- Set culture automatically to culture of enduser browser -->

<globalization culture="auto" uiCulture ="auto" enableClientBasedCulture ="true"></globalization>

<globalization culture="auto" uiCulture="auto" enableClientBasedCulture="true"></globalization>

Getest, werkt zowel server als clientside.

Je kan ook hardcoded de culture opgeven: getest, werkt zowel server als clientside.

<globalization culture="en-US" uiCulture="en-US"></globalization>

De server bepaalt dus de culture. En in het geval dat je instelt dat de browser-culture overneemt serverside, dan bepaalt deze dus wat de culture wordt.

System.Threading.Thread.CurrentThread.CurrentCulture

**In .aspx**

<%@ Import Namespace="System.Globalization" %>

<%@ Import Namespace="System.Threading" %>

Current Culture en Current UI Culture:

<br />

<%= Thread.CurrentThread.CurrentCulture %> “nl-NL”

<br />

<%= Thread.CurrentThread.CurrentUICulture %> “nl-NL”

Om zelf explicet vanuit de server de Culture te zetten:  
  
namespace WebApplication1

{

public class Global : HttpApplication

{

void Application\_Start(object sender, EventArgs e)

{

// Code that runs on application startup

RouteConfig.RegisterRoutes(RouteTable.Routes);

BundleConfig.RegisterBundles(BundleTable.Bundles);

// ModelBinder needed to parse these types correctly for all cultures

ModelBinders.Binders.Add(typeof(decimal), new DecimalModelBinder());

ModelBinders.Binders.Add(typeof(DateTime), new DateTimeModelBinder());

}

**void Application\_BeginRequest(object sender, EventArgs e)**

**{**

**// Set Culture explicitely on the server**

// Takes care of translating with .resx files / translations

**Thread.CurrentThread.CurrentUICulture = new CultureInfo("es-MX");**

// Takes care of formatting numbers, currencies and dates etc.

**Thread.CurrentThread.CurrentCulture = new CultureInfo("es-MX"); // “en-US”**

**}**

…

**jQuery validation**

The this.optional check is basically checking to see if the field is blank or not before evaluating whether or not it meets the rule.

The whole point of this.optional(element) is to immediately return true if the element is blank AND it is not required.

// var decimalSeparator = '<%= new CultureInfo(Request.UserLanguages[0]).NumberFormat.NumberDecimalSeparator %>';

var jsCulture = '<%= Request.UserLanguages[0] %>';

//\*\*\* niet nodig

var decimalSeparator = '<%= new CultureInfo(Request.UserLanguages[0]).NumberFormat.NumberDecimalSeparator %>';

jQuery.preferCulture(jsCulture);

------------------------------------------

var jsCulture = '<%= Thread.CurrentThread.CurrentCulture.ToString() %>';

var jsDecimalSeparator = '<%= Thread.CurrentThread.CurrentCulture.NumberFormat.CurrencyDecimalSeparator %>'; //\*\*\* not per se needed

jQuery.preferCulture(jsCulture);

// -------------------------------

**MVC Bundles**

BundleConfig.cs

// Globalization

bundles.Add(

new ScriptBundle("~/bundles/globalization").Include(

"~/Scripts/Globalization/jquery.glob.js",

"~/Scripts/Globalization/globinfo/jQuery.glob.all.min.js",

"~/Scripts/Globalization/globalisationSetup.js"));

\_Layout.cshtml

@Scripts.Render("~/bundles/site")

**@Scripts.Render("~/bundles/globalization")**

@RenderSection("scripts", required: false)

</body>

</html>

Html gerenderd

<script src="/MvcBlueprint/Scripts/Globalization/jquery.glob.js"></script>

<script src="/MvcBlueprint/Scripts/Globalization/globinfo/jQuery.glob.all.min.js"></script>

<script src="/MvcBlueprint/Scripts/Globalization/globalisationSetup.js"></script>

Custom ModelBinders

Plaats deze onder zelfde niveau als folder ‘Controllers’ , ‘Content’, ‘Filters’. Folder ‘Extensions’ en daaronder folder ‘ModelBinders’ toevoegen.

using System;

using System.Globalization;

using System.Threading;

using System.Web.Mvc;

namespace Blueprint.Website.Extensions.ModelBinders

{

public class DateTimeModelBinder : IModelBinder

{

public object BindModel(ControllerContext controllerContext, ModelBindingContext bindingContext)

{

IValueProvider provider = bindingContext.ValueProvider;

ValueProviderResult valueResult = provider.GetValue(bindingContext.ModelName);

ModelState modelState = new ModelState { Value = valueResult };

object actualValue = null;

if (valueResult == null || valueResult.AttemptedValue == string.Empty)

{

actualValue = default(DateTime?);

}

else

{

try

{

DateTime result;

DateTime.TryParse(valueResult.AttemptedValue, Thread.CurrentThread.CurrentCulture, DateTimeStyles.None, out result);

actualValue = result;

}

catch (FormatException ex)

{

modelState.Errors.Add(ex);

}

}

bindingContext.ModelState.Add(bindingContext.ModelName, modelState);

return actualValue;

}

}

}

----------------------------------

using System;

using System.Globalization;

using System.Web.Mvc;

namespace Blueprint.Website.Extensions.ModelBinders

{

public class DecimalModelBinder : IModelBinder

{

public object BindModel(ControllerContext controllerContext, ModelBindingContext bindingContext)

{

IValueProvider provider = bindingContext.ValueProvider;

ValueProviderResult valueResult = provider.GetValue(bindingContext.ModelName);

ModelState modelState = new ModelState { Value = valueResult };

decimal? actualValue = null;

try

{

actualValue = Convert.ToDecimal(valueResult.AttemptedValue, CultureInfo.CurrentCulture);

}

catch (FormatException e)

{

modelState.Errors.Add(e);

}

bindingContext.ModelState.Add(bindingContext.ModelName, modelState);

return actualValue;

}

}

}

------------------------------

**$(document).ready shorthand**

$(function() {

// Code here

});

//alert(e.keyCode);

debugger; //\*\*\*

var t = curValue.charAt(curValue.length - 1);

if ($.inArray(e.keyCode, [188, 190, 110]) !== -1) {

}

var lastChar = curValue.charAt(curValue.length - 1);

if (($.inArray(e.keyCode, [188, 190, 110]) !== -1) && (lastChar == ',') || (lastChar == '.')) {

e.preventDefault();

}

----------------------------------------------------------

protected void Button1\_Click(object sender, EventArgs e)

{

DateTime? dt = DateTime.Now; // = null;

decimal? d = 2251.786M;

bool? b = null;//true;

int? i = -8;//true;

//

string result = (dt.HasValue) ? dt.Value.ToString("d", Thread.CurrentThread.CurrentCulture) : string.Empty; // date

string result2 = (dt.HasValue) ? dt.Value.ToString(Thread.CurrentThread.CurrentCulture) : string.Empty; // date plus time

// ================================================================

string result3 = (d.HasValue) ? d.Value.ToString("N2", Thread.CurrentThread.CurrentCulture) : string.Empty;

string result4444 = (d.HasValue) ? d.Value.ToString("N2", new CultureInfo("en-US")) : string.Empty; //\*\*\*

// ================================================================

string result5 = (b.HasValue) ? ((b.Value == true) ? "Yes" : "No") : string.Empty;

// ================================================================

string result6 = (i.HasValue) ? i.Value.ToString(Thread.CurrentThread.CurrentCulture) : string.Empty;

// ================================================================

// ...

}

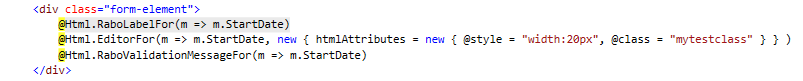
**Html rendered met MVC helpers. Let op de ‘data-val-…’ attributen.**

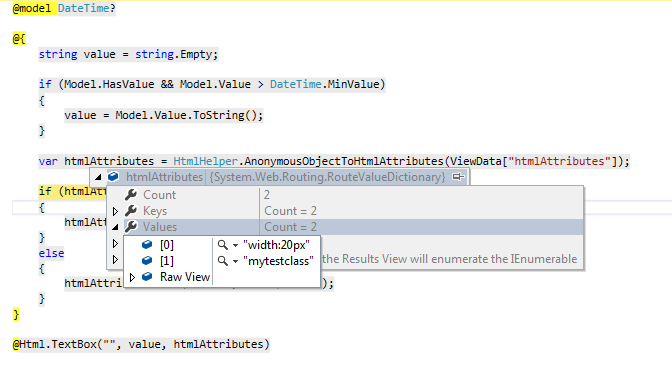
<input name="AddressHouseNr" class="wholenumber input-validation-error" id="AddressHouseNr" aria-invalid="true" aria-required="true" aria-describedby="AddressHouseNr-error" type="text" value="0" **data-val-required**="The House number field is required." **data-val**="true" **data-val-number**="The field House number must be a number." **data-val-regex-pattern**="([1-9][0-9]\*)" **data-val-regex**="Huisnummer moet een nummer zijn" data-type="int">

<input name="Price" class="decimalnumber valid" id="Price" aria-invalid="false" aria-required="true" aria-describedby="Price-error" type="text" value="0,00" data-val-required="Prijs is verplicht" data-val="true" data-val-number="The field Price must be a number." data-type="decimal">

**Hoe door passen van html attributen van MVC html helper naar template editor:**

**Vanaf MVC 5 is syntax:**





@model DateTime?

@{

string value = string.Empty;

if (Model.HasValue && Model.Value > DateTime.MinValue)

{

value = Model.Value.ToString();

}

// Helper method from Asp.Net Mvc framework

var htmlAttributes = **HtmlHelper.AnonymousObjectToHtmlAttributes(**ViewData["htmlAttributes"]);

if (htmlAttributes.ContainsKey("class"))

{

htmlAttributes["class"] += " datepicker";

}

else

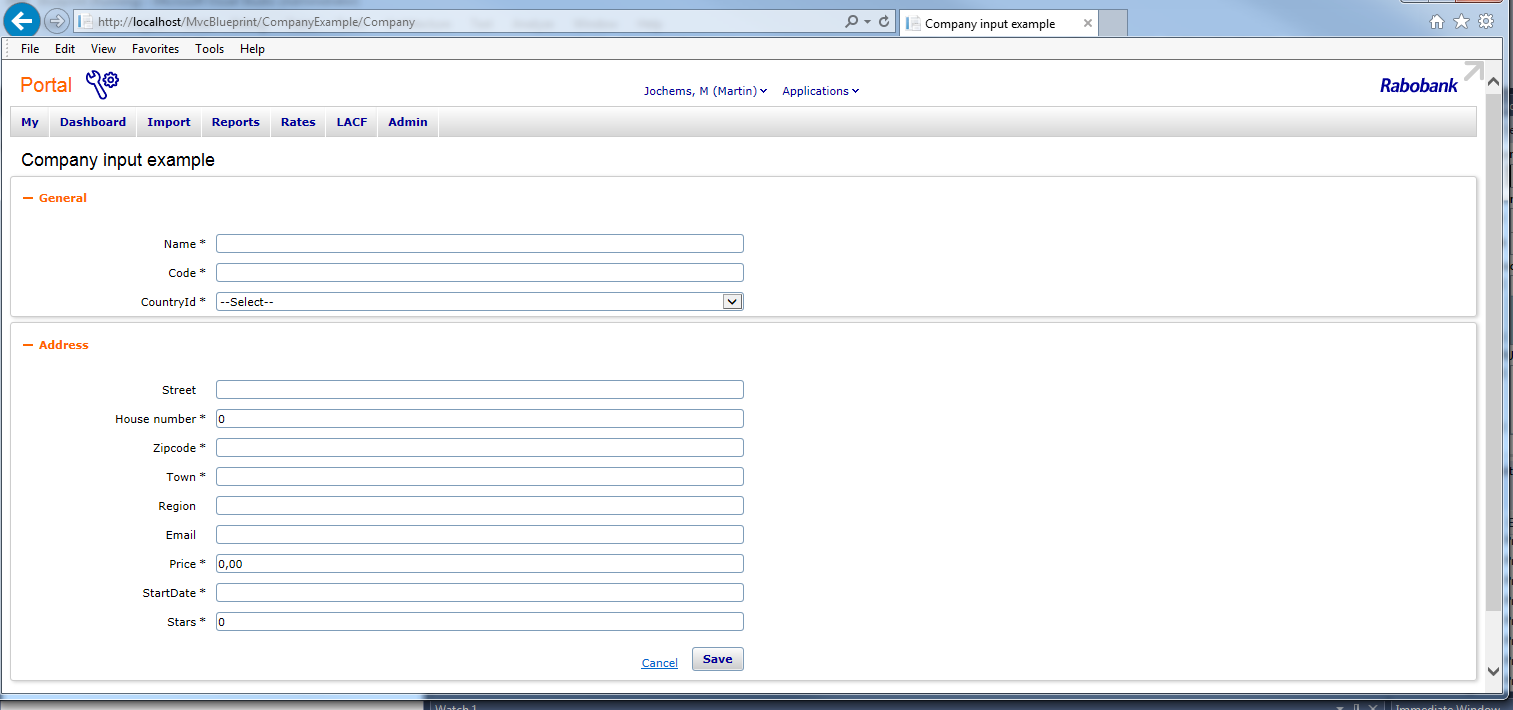
{

htmlAttributes.Add("class", "datepicker");

}

}

@Html.TextBox("", value, htmlAttributes)



…

**SAGA table updaten**

Use [Cris\_GenericSql]

SELECT TOP (200) Id, TableId, Name, DisplayName, IsDisplayed, IsReadOnly, Query, ValueQuery, DisplayOrder, CreateDate, LastUpdateDate

FROM [Column]

WHERE (TableId = 122)

<http://localhost/GenericSql/table/saga/cris_saga/ifrsqualification>

TableController Action ShowPageAsync UpdateDataAsync

ApplicationService

applicationCode: GenericSql

databaseCode: GenericSql

tableCode: Application

-------------------------

TableController Action ShowPageAsync

ApplicationService

applicationCode: GenericSql

databaseCode: GenericSql

tableCode: Application

MsSqlDataProvider

UpdateDataAsync

**ValueQueryProcessor.cs**

===============================================

eerst aanvrager invullen, daarna bank -> aanvrager leeg -> nok  
  
eerst bank invullen, daarna aanvrager -> alles ok

<asp:Button ID="Button1" runat="server" Text="Postback..." OnClick="Button1\_Click" />

AocAutoComplete.vb

Name input

ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$BankAutoCompleteRac$tbAutoComplete

Name input

ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$RequesterAutoCompleteRac$tbAutoComplete

is nog gevuld in AocAutocomplete.vb page\_load

Me.Context.Request.Form("ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$RequesterAutoCompleteRac$tbAutoComplete")

"Bosma, J (Jelle)"

------------

name="ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$BankAutoCompleteRac$tbwAutoComplete\_ClientState"

**Event volgorde**

TicketEditor

Page\_Load

AocAutoComplete

Page\_Load

TicketEditor

Page\_PreRender hier value en text al leeg, form vars nog wel gevuld

AocAutoComplete

Page\_PreRender hier value en text dus ook leeg, form vars nog steeds gevuld

/ Requester autocomplete

Me.Context.Request.Form("ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$RequesterAutoCompleteRac$hfAutoComplete")

Me.Context.Request.Form("ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$RequesterAutoCompleteRac$tbAutoComplete")

// Bank autocomplete

Me.Context.Request.Form("ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$RequesterAutoCompleteRac$hfAutoComplete")

Me.Context.Request.Form("ctl00$mainContent$tabContainer$InstructionPanel$TicketEditor$RequesterAutoCompleteRac$tbAutoComplete")

var hfAutocomplete = $get('mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRac\_hfAutoComplete');

var tbAutocomplete = $get('mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRac\_tbAutoComplete');

**Async / Await**

Eigen aant

Je moet binnen een async … method tenminste 1 call maken met await …

(Omdat het anders zinloos is om een async method te maken die allemaal maar synchrone code bevat.)

When using async and await the compiler generates a state machine in the background.

Here's an example on which I hope I can explain some of the high-level details that are going on:

public async Task MyMethodAsync()

{

Task<int> longRunningTask = LongRunningOperationAsync();

// independent work which doesn't need the result of LongRunningOperationAsync can be done here

//and now we call await on the task

int result = await longRunningTask;

//use the result

Console.WriteLine(result);

}

public async Task<int> LongRunningOperationAsync() // assume we return an int from this long running operation

{

await Task.Delay(1000); //1 seconds delay

return 1;

}

OK, so what happens here:

1. Task<int> longRunningTask = LongRunningOperationAsync(); starts executing LongRunningOperation
2. Independent work is done on let's assume the Main Thread (Thread ID = 1) then await longRunningTask is reached.

Now, if the longRunningTask hasn't finished and it is still running, MyMethodAsync() will return to its calling method, thus the main thread doesn't get blocked. When the longRunningTask is done then a thread from the ThreadPool (can be any thread) will return to MyMethodAsync() in its previous context and continue execution (in this case printing the result to the console).

A second case would be that the longRunningTask has already finished its execution and the result is available. When reaching the await longRunningTask we already have the result so the code will continue executing on the very same thread. (in this case printing result to console). Of course this is not the case for the above example, where there's a Task.Delay(1000) involved.

Public Function SearchUsers(searchText As String, bankCode As String, count As Integer, includeDeleted As Boolean) As IEnumerable(Of ApplicationUser) Implements ICommonRepository.SearchUsers

Using context = CreateContext()

Dim query = From u In context.ApplicationUsers

Where u.Name.Contains(searchText) AndAlso

(includeDeleted OrElse u.IsDeleted = False) AndAlso

(String.IsNullOrEmpty(bankCode) OrElse u.Code.ToUpper().Contains(bankCode.ToUpper()))

Order By u.Name, u.Code, u.Id

Select u

Dim result = query.Take(count).ToArray()

Return result

End Using

End Function

-------------------------------------------------------------------

-- Eerste (zonder bankcode) -> geeft alle users terug

exec sp\_executesql N'SELECT TOP (10)

[Project1].[Id] AS [Id],

[Project1].[Code] AS [Code],

[Project1].[Name] AS [Name],

[Project1].[IsDeleted] AS [IsDeleted],

[Project1].[UserName] AS [UserName],

[Project1].[Domain] AS [Domain],

[Project1].[Email] AS [Email]

FROM ( SELECT

[Extent1].[Id] AS [Id],

[Extent1].[Code] AS [Code],

[Extent1].[Name] AS [Name],

[Extent1].[IsDeleted] AS [IsDeleted],

[Extent1].[UserName] AS [UserName],

[Extent1].[Domain] AS [Domain],

[Extent1].[Email] AS [Email]

FROM [dbo].[ApplicationUser] AS [Extent1]

WHERE ([Extent1].[Name] LIKE @p\_\_linq\_\_0 ESCAPE ''~'') AND (@p\_\_linq\_\_1 = 1 OR [Extent1].[IsDeleted] = 0) AND ((@p\_\_linq\_\_2 IS NULL) OR (( CAST(LEN(@p\_\_linq\_\_2) AS int)) = 0) OR (( CAST(CHARINDEX(UPPER(@p\_\_linq\_\_3), UPPER([Extent1].[Code])) AS int)) > 0))

) AS [Project1]

ORDER BY [Project1].[Name] ASC, [Project1].[Code] ASC, [Project1].[Id] ASC',N'@p\_\_linq\_\_0 varchar(8000),@p\_\_linq\_\_1 bit,@p\_\_linq\_\_2 nvarchar(4000),@p\_\_linq\_\_3 nvarchar(4000)',@p\_\_linq\_\_0='%be%',@p\_\_linq\_\_1=0,@p\_\_linq\_\_2=N'',@p\_\_linq\_\_3=N''

-- --------------------------------------------------------------------------------------------

-- Tweede, met bankcode. Levert 1 rij op. in .Net (ipv 4)

exec sp\_executesql N'SELECT TOP (10)

[Project1].[Id] AS [Id],

[Project1].[Code] AS [Code],

[Project1].[Name] AS [Name],

[Project1].[IsDeleted] AS [IsDeleted],

[Project1].[UserName] AS [UserName],

[Project1].[Domain] AS [Domain],

[Project1].[Email] AS [Email]

FROM ( SELECT

[Extent1].[Id] AS [Id],

[Extent1].[Code] AS [Code],

[Extent1].[Name] AS [Name],

[Extent1].[IsDeleted] AS [IsDeleted],

[Extent1].[UserName] AS [UserName],

[Extent1].[Domain] AS [Domain],

[Extent1].[Email] AS [Email]

FROM [dbo].[ApplicationUser] AS [Extent1]

WHERE ([Extent1].[Name] LIKE @p\_\_linq\_\_0 ESCAPE ''~'') AND (@p\_\_linq\_\_1 = 1 OR [Extent1].[IsDeleted] = 0) AND ((@p\_\_linq\_\_2 IS NULL) OR (( CAST(LEN(@p\_\_linq\_\_2) AS int)) = 0) OR (( CAST(CHARINDEX(UPPER(@p\_\_linq\_\_3), UPPER([Extent1].[Code])) AS int)) > 0))

) AS [Project1]

ORDER BY [Project1].[Name] ASC, [Project1].[Code] ASC, [Project1].[Id] ASC',N'@p\_\_linq\_\_0 varchar(8000),@p\_\_linq\_\_1 bit,@p\_\_linq\_\_2 nvarchar(4000),@p\_\_linq\_\_3 nvarchar(4000)',@p\_\_linq\_\_0='%be%',@p\_\_linq\_\_1=0,@p\_\_linq\_\_2=N'1127',@p\_\_linq\_\_3=N'1127'

-- Foutmelding email na aanmaken ticket:

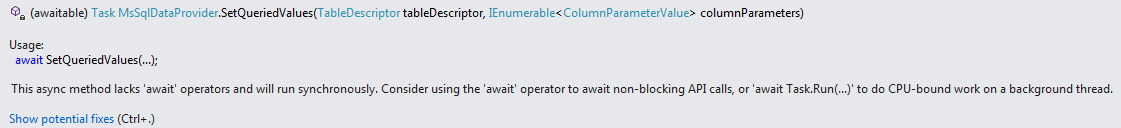
update [CRIS\_AocFlow].[dbo].[Role]

set FunctionalMailboxTemplate = 'noreply@rabobank.nl'

where

id=12 -- functioneel beheerder

--------------------------------------------------------



private async Task SetQueriedValues(TableDescriptor tableDescriptor, IEnumerable<ColumnParameterValue> columnParameters)

{

//var parameters = columnParameters.ToArray();

//// Fire all valueQueries which are retrieved by queries

//var queries = from col in tableDescriptor.Columns.Select(

// (column, index) => new

// {

// Column = column,

// Index = index

// })

// where !string.IsNullOrEmpty(col.Column.ValueQuery)

// select Task.Factory.StartNew(delegate

// {

// parameters[col.Index].Value = GetQueriedValue(col.Column).Result;

// });

//// Continue of all query results are retrieved

//await Task.WhenAll(queries);

}

--------------------------------------------------------

**Get UserIdentity**

builder.Register(x => GetUserIdentity())

.As<IUserIdentity>()

.InstancePerRequest();

builder.RegisterType<ValueQueryProcessor>();

// Set the dependency resolver to be Autofac.

var container = builder.Build();

DependencyResolver.SetResolver(new AutofacDependencyResolver(container));

}

private static UserIdentity GetUserIdentity()

{

string identity = HttpContext.Current.User.Identity.Name;

return new UserIdentity(identity);

}

}

**Show all tables with corresponding FileGroups**

SELECT tbl.name AS [Table Name],

CASE WHEN dsidx.type='FG' THEN dsidx.name ELSE '(Partitioned)' END AS [File Group]

FROM sys.tables AS tbl

JOIN sys.indexes AS idx

ON idx.object\_id = tbl.object\_id

AND idx.index\_id <= 1

LEFT JOIN sys.data\_spaces AS dsidx

ON dsidx.data\_space\_id = idx.data\_space\_id

ORDER BY [File Group], [Table Name]

TicketRepository

SearchSuppliersByBankAccountNumber hier verder gaan…

Grootte Aoc database (nog niet eens op productie en zonder databa) d.d. 3-11-2016

65 GB (GigaByte)  
4,5 GB

**GBS**

* Menu -> Book -> Move Folder Structure

<http://localhost/Gbs/BookPage.aspx?BookStructureAttributeChangeId=9190&EditType=0>

FolderStructureMove.ascx

Bookdetails.ascx

BookPage.aspx

If Not Path.IsPathRooted(directory) Then

directory = Path.Combine(uploadRootPath, directory) ' <localdir>\notificationAttachments

End If

Laptop op productie settings screen resolution:  
Display: Mobile PC display

1366x768 Multiple displays: Extend these displays

**Selenium**

Met Selenium kan je testen doen op een browser vanuit code. Via een browser-engine ‘driver’, ofwel een executable .exe waar je tegenaan praat vanuit code alsof je een browser bedient (zetten url, opzoeken element, lezen/zetten waarde etc.)

Selenium website:

<http://www.seleniumhq.org/download/>

<http://www.codeproject.com/Articles/1016775/Getting-Started-with-WebDriver-Csharp-in-Minutes>

1. Aanmaken .Net project (console app, UnitTest app)
2. Eerst ophalen *Selenium.WebDriver* Nuget package.
3. Instellen pad waar Selenium drivers voor de verschillende webbrowser te vinden zijn

// Set file path for all selenium drivers (FF, IE, Chr) by setting a Windows environment variable:

//

// -> Open File Explorer -> right click My Computer -> Change settings -> Advanced tab -> Environment variables -> System variables

// -> Path -> add a semicolumn plus SeleniumDriver(exes) path (e.g. ';C:\Temp\MySeleniumDrivers')

Martijn Burgers eigen framework (i.c.m. Selenium Fixture)

* CRIS\_Portal\\_Other\Mobile\... Tests
* Drivers zitten al in de solution, d.m.v. NuGet packages
* Eigen PageModel maken van te testen pagina (bijv. met header model)
* Test project op dit page model laten werken
* Generieke spullen in een nieuw project/solution opnemen (in Aoc)

BaseDashboardPage, Page in PageObjectModel. En Extensions.

Selenium.WebDriver. ... NuGetPackages

Selenium.WebDriver

Selenium.WebDriver.ChromeDriver

Selenium.WebDriver.MicrosoftWebDriver

SeleniumFixture is weer framework om Selenium heen

xUnit is alternatief voor NUnit of MS Unit testen

<http://anirbantestingblogs.blogspot.nl/2016/06/selenium-theory_28.html>

MS test class attributes: TestClass, TestMethod

Selenium Fixture attributes: Test Class attribuut n.v.t.,   
 [SeleniumTheory] staat voor een test method  
  
IWebDrive = de interface waartegen je praat / wat de browser   
 moet doen.

IWebElement = een html element in Selenium, dus bijv. een input of   
 een div of een button etc.

**Dependencies Rabo 'General.Selenium.Framework'**

Selenuim.RC 2.48.2

Selenium.Support

Selenium.WebDriver

Selenium.ChromeDriver

Selenium.MicrosoftWebDriver 10.0.10240

Selenium.WebDriverBackedSelenium

WebDriverIEDriver

…

Alle browser waarvoor attributen aanstaan, worden uitgevoerd.

// InternetExplorerOptions

// InternetExplorerDriver

[Trait("Category", "DesktopBrowserTests")] // Test description

[RaboChromeRemoteDriver(Shared = true)] // Remote server (grid) Chrome

[RaboFirefoxRemoteDriver(Shared = true)] // Remote server (grid) Firefox

[RemoteWebDriverHubAddress(Hub = "http://sdeuc4110088:4444/wd/hub")] // Remote server (grid)   
 hub to execute test for buildserver

[RaboChromeDriverOnlyWhenDebugging(Shared = true)] // Chrome local debug

[RaboChromeOptions] // Chrome settings

[RaboFirefoxDriverOnlyWhenDebugging(Shared = true)] // Firefox local debug

[RaboFirefoxProfile] // Firefox settings

[RaboWebDriverInitialization] // For all drivers

public class NewTicketPageTests //: BaseDesktopPageUiTests<GeneralInformationPage>

{

[SeleniumTheory]

public void Test\_InsertNewTicket\_Success(Fixture fixture)

{

// Arrange

var page = new NewTicketPage(fixture.Driver);

// Act

page.Goto();

// Check if browser at specified page Url

bool isAtUrl = page.IsAtUrl(true);

////assert

////page.EmailAddress.Should().NotBeNullOrEmpty();

////page.EmailAddress.Should().Be("mailto:fm.global.ServicedeskCRIS@rabobank.com"); //todo   
 remove magic strings

Assert.True(isAtUrl);

}

**Ticketing knowledge base tool(s)**

<https://www.quora.com/What-Helpdesk-software-has-a-knowledge-base-ticket-system-and-supports-multiple-languages>

namespace in .config

RaboDropdownTreeView -> pc4 in o.a. newticket.aspx (beste)

RaboDropdownTreeView -> rabo in beheer ticket onderwerpen (slecht/oud)

// Order een lijst op numeriek ipv string

\_Items = \_Items.OrderBy(x => Convert.ToInt32(x.Value)).ToList();

public class NewTicketPage : TestUIBasePageWebForms

{

[FindsBy(How = How.Id, Using = "mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_RequesterPhoneTextBox")]

private IWebElement \_RequesterPhoneTextBox;

[FindsBy(How = How.Id, Using = "mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_TicketTypeDropDown")]

private IWebElement \_TicketTypeDropDown;

[FindsBy(How = How.Id, Using = "\_\_tab\_mainContent\_tabContainer\_TicketAttachmentPanel")]

private IWebElement \_TicketAttachmentLink;

[FindsBy(How = How.Id, Using = ".mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_TicketSubjectInput")]

private IWebElement \_TicketSubjectMainSpan;

private TestUIRaboDropdownTreeView \_TicketSubjectTreeView;

public string RequesterPhone

{

get { return \_RequesterPhoneTextBox.GetAttribute("value"); }

set { \_RequesterPhoneTextBox.SendKeys(value); }

}

Below code should help you.

public static class WebDriverExtensions

{

public static IWebElement FindElement(this IWebDriver driver, By by, int timeoutInSeconds)

{

if (timeoutInSeconds > 0)

{

var wait = new WebDriverWait(driver, TimeSpan.FromSeconds(timeoutInSeconds));

return wait.Until(drv => drv.FindElement(by));

}

return driver.FindElement(by);

}

}

**Selenium verliest ‘connectie’ met elementen na een postback**

Additional information: stale element reference: element is not attached to the page document

[Git and TFVC version control - Visual Studio](https://www.google.nl/url?sa=t&rct=j&q=&esrc=s&source=web&cd=3&cad=rja&uact=8&sqi=2&ved=0ahUKEwjzrr7Kzr7QAhXJDsAKHRn8AJEQFggrMAI&url=https%3A%2F%2Fwww.visualstudio.com%2Fen-us%2Fdocs%2Ftfvc%2Fcomparison-git-tfvc&usg=AFQjCNGY--VmL8NpdvVWyq8rDRDMNfHpbA&bvm=bv.139782543,d.d24)

**Answer applicatie (L Klok)**

Beheert dossier- en regelgeving binnen de Rabobank.

Elke wet/artikel heeft een master van waaruit de historie benaderd kan worden.

A potentially dangerous Request.Path value was detected from the client (:)

Pages/InstructionOverview.aspxhttp://raboweb.rabobank.nl

Local ip address: 172.17.61.242 op vrijdag 25-11-2016 (geen username bekend)

## ***Functional mailbox address could not be determined for role Operationeel Beheerder (id 1) and bank Alkmaar e.o. (id 8)***

**Ajax POST via jQuery**

// ------------------------------------------------------

var old = null; //\*\*\*

$(document).ready(function () {

//debugger; //\*\*\*

old = mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRac\_AutocompleteOnItemSelected;

function mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRac\_AutocompleteOnItemSelected\_new(sender, e) {

mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRacDoPostBack = false;

old(sender, e);

var hfval = $('#mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRac\_hfAutoComplete').val();

// Do ajax call here to fill readonly info fields

// ...

alert('new... ' + hfval);

var dt = { 'supplierId': hfval };

$.ajax({

type: 'POST',

url: '/AocFlow/Services/AutoCompleteService.svc/GetSupplierDetailInfo',

data: JSON.stringify(dt),

dataType: 'json',

contentType: 'application/json; charset=utf-8',

success: function (data, status) {

alert("Data: " + JSON.stringify(data) + "\nStatus: " + status);

alert('set field shere...');

},

error: function (XMLHttpRequest, textStatus, errorThrown) {

alert("some error " + textStatus + ' ' + errorThrown);

}

});

}

mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRac\_AutocompleteOnItemSelected = mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_BankAutoCompleteRac\_AutocompleteOnItemSelected\_new;

// -----------------------------

//var dt = { 'supplierId' : 2178818 };

//$.ajax({

// type: 'POST',

// url: '/AocFlow/Services/AutoCompleteService.svc/GetSupplierDetailInfo',

// data: JSON.stringify(dt),

// dataType: 'json',

// contentType: 'application/json; charset=utf-8',

// success: function (data, status) {

// alert("Data: " + JSON.stringify(data) + "\nStatus: " + status);

// },

// error: function (XMLHttpRequest, textStatus, errorThrown) {

// alert("some error " + textStatus + ' ' + errorThrown);

// }

//});

});

CRG.CRIS.BDS.Portal.Controls

Dim u As CRG.CRIS.BDS.Portal.Controls.RaboDropDownTreeView

-------------------------------------------------------------------------------------------------------------------

//debugger; //\*\*\*

var $items = $('.mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_TicketSubjectInput\_tv\_0.NodeStyle.mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_TicketSubjectInput\_tv\_1');

$items[3].href = "javascript:SetTicketSubjectValue('3');";

$items[4].href = "javascript:SetTicketSubjectValue('4');";

-------------------------------------------------------------------------------------------------------------------

function SetTicketSubjectValue(value)

{

//debugger; //\*\*\*

$('#mainContent\_tabContainer\_InstructionPanel\_TicketEditor\_TicketSubjectHiddenValue').val(value);

//return false;

}

-------------------------------------------------------------------------------------------------------------------

//debugger;

//var res = 'a|b|'.split('|');

A

B

“”

**.Ashx en Windows Authentication**

<http://stackoverflow.com/questions/19733003/how-to-pass-windows-authentication-from-aspx-page-to-ashx-handler>

ServiceDesk = Tweede Lijn

**Import (snel!)**

-- exec [dbo].[uspInsertAllNewSuppliersFromStageTable] 2

CREATE PROCEDURE [dbo].[uspInsertAllNewSuppliersFromStageTable]

@newSupplierBatchId int

AS

BEGIN

-- Insert alle rijen die nog niet in supplier tabel staan (op AccountNumber)

insert into dbo.Supplier (CreditorNumber ,Name ,BankAccountNumber ,Email ,PhoneNumber ,Active ,SupplierBatchId)

select distinct

ss.CreditorNumber

,ss.Name

,ss.BankAccountNumber

,ss.Email

,ss.PhoneNumber

,ss.Active

,@newSupplierBatchId

from dbo.StageSupplier ss

left outer join dbo.Supplier s

on (ss.BankAccountNumber = s.BankAccountNumber)

where (s.Id is null)

END

GO

-- exec [dbo].[uspUpdateAllExistingSuppliersFromStageTable] 2

CREATE PROCEDURE [dbo].[uspUpdateAllExistingSuppliersFromStageTable]

@newSupplierBatchId int

AS

BEGIN

update dbo.Supplier

set

CreditorNumber = ss.CreditorNumber

,Name = ss.Name

,Email = ss.Email

,PhoneNumber = ss.PhoneNumber

,Active = ss.Active

,SupplierBatchId = @newSupplierBatchId

From dbo.Supplier As s

Join

(

select distinct ss.CreditorNumber

,ss.Name

,ss.BankAccountNumber

,ss.Email

,ss.PhoneNumber

,ss.Active

from dbo.StageSupplier ss

) As ss

On (ss.BankAccountNumber = s.BankAccountNumber)

And ((ss.CreditorNumber != s.CreditorNumber) or (ss.Name != s.Name) or (ss.BankAccountNumber != s.BankAccountNumber) or (ss.Email != s.Email) or (ss.PhoneNumber != s.PhoneNumber) or (ss.Active != s.Active)) -- Only changed rows get the new supplierBatchId

END

GO

+++++++++++++++++++++++++++++++++++++++++++++++++++

**Merge SP voorbeeld**

-- =============================================

-- Author: Arjan ten Brinke

-- Create date: 2013-04-15

-- Description: Updates the ApplicationUser

-- table from the Portal

-- ApplicationUser table.

-- =============================================

CREATE PROCEDURE [dbo].[uspUpdateApplicationUserFromPortal]

AS

BEGIN

-- SET NOCOUNT ON added to prevent extra result sets from

-- interfering with SELECT statements.

SET NOCOUNT ON;

MERGE INTO dbo.ApplicationUser AS Target

USING (

SELECT Code, FullName, Domain, UserName, Email

FROM vwPortalApplicationUser

) AS Source (Code, Name, Domain, UserName, Email)

ON Target.Code = Source.Code

WHEN MATCHED THEN

UPDATE SET

Name = Source.Name

, Domain = Source.Domain

, UserName = Source.UserName

, Email = Source.Email

, IsDeleted = 0

WHEN NOT MATCHED BY TARGET THEN

INSERT (Code, Name, Domain, UserName, Email)

VALUES (Code, Name, Domain, UserName, Email)

WHEN NOT MATCHED BY SOURCE THEN

UPDATE SET

IsDeleted = 1;

END

GO

**Excel export MVC**

namespace Rabo.Saga.Util.ExcelExport

{

using System;

using System.Collections.Generic;

using System.Data;

using System.Globalization;

using System.IO;

using System.Linq;

using System.Text;

using DataTables;

using Rabo.CRG.CRIS.BDS.Portal.Export.Core;

public enum ExcelFormat

{

Csv = 1,

Xls = 2,

Xlsx = 3

}

/// <summary>

/// GenericExcelHelper

/// Can be called from a specific action in a view to do a excel Export.

/// </summary>

public class ExcelHelper

{

public const string XlsxContentType = "application/vnd.openxmlformats-officedocument.spreadsheetml.sheet";

public const string XlsContentType = "application/ms-excel";

public const string CsvContentType = "text/csv";

public static byte[] ExportListToExcel<T>(ExcelFormat excelFormat, string outputFilename, IEnumerable<T> list, Dictionary<string, string> columnHeaders = null, bool ignoreDisplayNames = false)

{

DataTable table = DataTableHelper.ListToDataTable<T>(list, columnHeaders, ignoreDisplayNames);

byte[] bytes = null;

switch (excelFormat)

{

case ExcelFormat.Csv:

bytes = ExportDataTableToCsv(outputFilename, table, columnHeaders, ignoreDisplayNames);

break;

case ExcelFormat.Xlsx:

bytes = ExportDataTableToXlsx(outputFilename, table, columnHeaders, ignoreDisplayNames);

break;

}

return bytes;

}

public static byte[] ExportDataTableToCsv(string outputFilename, DataTable table, Dictionary<string, string> columnHeaders = null, bool ignoreDisplayNames = false)

{

string fileContents = DataTableToCsv(table);

// convert to byte array

// use a different encoding if needed

var encoding = new System.Text.UTF8Encoding();

byte[] returnContent = encoding.GetBytes(fileContents);

outputFilename = Path.GetFileName(outputFilename);

if (!outputFilename.ToLower().EndsWith(".csv"))

{

outputFilename += ".csv";

}

return returnContent;

}

public static byte[] ExportDataTableToXlsx(string outputFilename, DataTable table, Dictionary<string, string> columnHeaders = null, bool ignoreDisplayNames = false)

{

byte[] filedata = null;

string path = null;

outputFilename = Path.GetFileName(outputFilename);

if (!outputFilename.ToLower().EndsWith(".xlsx"))

{

outputFilename += ".xlsx";

}

// Sax Component export

using (var excel = new ExcelSaxCore(new SaxExportHelper(), new SaxExportDataBinder()))

{

string worksheetName = Path.GetFileNameWithoutExtension(outputFilename);

excel.AddWorksheet(table, worksheetName);

path = excel.AbsoluteFilePath;

}

filedata = File.ReadAllBytes(path);

if (path != null)

{

File.Delete(path);

}

return filedata;

}

private static string DataTableToCsv(DataTable table)

{

string result = string.Empty;

StringBuilder sb = new StringBuilder();

IEnumerable<string> columnNames = table.Columns.Cast<DataColumn>().

Select(column => column.ColumnName);

sb.AppendLine(string.Join(";", columnNames));

foreach (DataRow row in table.Rows)

{

List<string> stringValuesList = new List<string>();

for (int i = 0; i < row.ItemArray.Length; i++)

{

object objectValue = row.ItemArray[i];

string stringValue = GetStringValueFromObject(objectValue);

stringValuesList.Add(stringValue);

}

sb.AppendLine(string.Join(";", stringValuesList));

}

result = sb.ToString();

return result;

}

private static string GetStringValueFromObject(object objectValue)

{

string stringValue = string.Empty;

CultureInfo culture = new CultureInfo("nl-NL"); // en-US

switch (objectValue.GetType().FullName)

{

case "System.Decimal":

stringValue = ((decimal)objectValue).ToString("N", culture);

break;

case "System.Double":

stringValue = ((double)objectValue).ToString("N", culture);

break;

case "System.DateTime":

stringValue = ((DateTime)objectValue).ToString(culture);

break;

default:

stringValue = objectValue.ToString();

break;

}

return stringValue;

}

}

}

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

/\*

[HttpGet]

[AllowedRoles(RoleEnum.Reader, RoleEnum.ReaderSelected, RoleEnum.Editor, RoleEnum.EditorSelected, RoleEnum.PowerUser)]

public FileResult ExportExcel(LoanFacilityFilter filter)

{

if (filter == null || filter.Reset)

{

filter = new LoanFacilityFilter(ProductStatusEnum.Active);

}

ModelState.Clear();

AddModelData(filter);

IPagedList<LoanFacilityModel> loanFacilities = \_loanFacilityService.GetLoanFacilities(filter, 1, int.MaxValue);

Dictionary<string, string> columnHeaders = new Dictionary<string, string>();

columnHeaders.Add("ExternalId", "Loan facility ID");

columnHeaders.Add("LendingEntityName", "Lending entity");

columnHeaders.Add("BorrowingEntityName", "Borrowing entity");

columnHeaders.Add("MaximumAmount", "Maximum amount");

columnHeaders.Add("CurrencyCode", "Currency");

columnHeaders.Add("AvailabilityEndDate", "Availability end date");

columnHeaders.Add("MaximumTenorInMonths", "Tenor");

columnHeaders.Add("AllocationExternalId", "Allocation");

columnHeaders.Add("EffectiveDate", "Effective date");

columnHeaders.Add("ExpiryDate", "Expiry date");

columnHeaders.Add("RevisionDate", "Revision date");

columnHeaders.Add("CreatedAt", "Last edit");

string outputFilename = "LoanFacilities.xlsx";

byte[] bytes = ExcelHelper.ExportListToExcel<LoanFacilityModel>(

outputFilename,

loanFacilities,

columnHeaders,

false);

return File(bytes, ExcelHelper.XlsxContentType, outputFilename);

}

=====================================================

@Html.RaboPanel("Allocations", new { data\_export\_excel = Url.Action("exportexcel", "allocations"), data\_export = "excel" }).Content(

@<text>

<div class="rabopanel-content">

<table class="portal-table clickable">

<thead>

<tr>

<th title="Allocation ID">Allocation ID</th>

<th title="Allocated office">Allocated office</th>

<th title="Borrowing entity">Borrowing entity</th>

<th title="Product facility">Product facility</th>

<th title="Amount" class="number">Amount</th>

<th title="Currency" class="currency">Currency</th>

<th title="Maturity date" class="date">Maturity date</th>

<th title="Revision date" class="date">Revision date</th>

<th title="Last edit" class="date">Last edit</th>

@for (int i = 0; i < Model.AllocationActions.Count(); i++)

{

<th class="action"></th>

}

</tr>

</thead>

@foreach (var allocation in Model.Allocations)

{

<tr data-url="@Url.Action("Detail", new { id = allocation.MasterId })">

<td title="@allocation.ExternalId">@allocation.ExternalId</td>

<td title="@allocation.AllocatedOfficeName">@allocation.AllocatedOfficeName</td>

<td title="@allocation.BorrowingEntityName">@allocation.BorrowingEntityName</td>

<td title="@allocation.ProductName">@allocation.ProductName</td>

<td title="@allocation.Amount.DisplayThousands()" class="number">@allocation.Amount.DisplayThousands()</td>

<td title="@allocation.CurrencyCode" class="currency">@allocation.CurrencyCode</td>

<td title="@allocation.AllocationEndDate.DisplayDate("N/A")" class="date">@allocation.AllocationEndDate.DisplayDate("N/A")</td>

<td title="@allocation.RevisionDate.DisplayDate()" class="date">@allocation.RevisionDate.DisplayDate()</td>

<td title="@allocation.CreatedAt.DisplayDate()" class="date">@allocation.CreatedAt.DisplayDate()</td>

@foreach (var action in Model.AllocationActions)

{

<td class="action">@action.Create(allocation)</td>

}

</tr>

}

<tfoot>

<tr>

<td colspan="10">

@Html.PagedListPager(Model.Allocations, Model.Filter)

</td>

</tr>

</tfoot>

</table>

</div>

</text>)

\*/