RedDot Usergroup e.V.
Anwendertagung vom 28. Oktober 2008

Kay Stuckenschmidt

Webmaster / Projektleiter

Leica Geosystems AG

Heerbrugg - Schweiz

- when it has to be right

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Leica SmartPole
Measure non-stop
with setup on-the-fly

- fully compatible with System 1200
- TPS or GPS? Both!

Latest Products

Leica GeoMoS Web
Leica GeoMoS Web is a web based service for the visualization and analysis of monitoring data collected by a GeoMoS monitoring system.
→ more

Leica FlexLine TS02/06/09
For Basic to Advanced Users with the Need for Flexibility and Performance.
→ more

Leica ADS80 Airborne Digital Sensor
The new Leica ADS80 airborne digital sensor is superior to any other large-format digital airborne imaging technology available today. Now in its third generation, Leica Geosystems' ...
→ more

Leica PowerDigger 3D
Leica PowerDigger 3D is the world's most popular, flexible and user friendly 3D excavator system. Dig faster, dig more, and dig right first time, saving up to 20 % in operating costs and ...
→ more

Leica Roteo 35
The Leica Roteo 35 is an all-round perfection for interior works. On ceilings or walls, on floors or using a tripod, the Leica Roteo 35 rotating laser is a multi-talented performer. You can ...
→ more

TruStory

Forensic Analysis
The Crime Lab of the City of Albuquerque Police Department (APD)acquired a Leica HDS3000 laser scanner(since upgraded to a Leica ...
→ more

World's Busiest Airport
With the capacity to handle 30 million passengers and big enough to fit 50 football pitches over its five floors, Heathrow Airport Terminal ...
→ more

Other Leica Geosystems Websites

- Metrology
- Mining Systems
- Laser Scanning
- Geospatial Imaging

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Leica Geosystems

RedDot Usergroup e.V.
Anwendertagung vom 28. Oktober 2008

Komplexe Webseiten ohne Navigation Manager

Technologie

- Hard / Software

- Projektaufbau

- Varianten

- Publizierung

Navigation im Detail

- Produkte & Lösungen

- Navigation im Detail

- Seitenverwaltung

- Code behind

- VS

- when it has to be **right**

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Software
RedDot CMS

RedDot Version

- 7.5.1.75

Lizenzen

- 5 Admin Lizenzen
- 10 Editoren Lizenzen

Plugins / Erweiterungen

- Navigationsmodule
- Pinuts: „Universal Messenger"
- Netmedia: „Übersetzung"

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Projektaufbau
Leica Geosystems Webseiten

CMS Server

- 1 Projekt
- 26 Publizierungsziele
- 18 Sprachvarianten
- Ca. 80 000 Site IDs

- when it has to be **right**

Technologie
Hardware

CMS Server

- Windows 2003 R2
- 2 Prozessoren - 2 Kerne
- 4 GB RAM
- SCSI RAID 5
- 6 Festplatten à 76 GB

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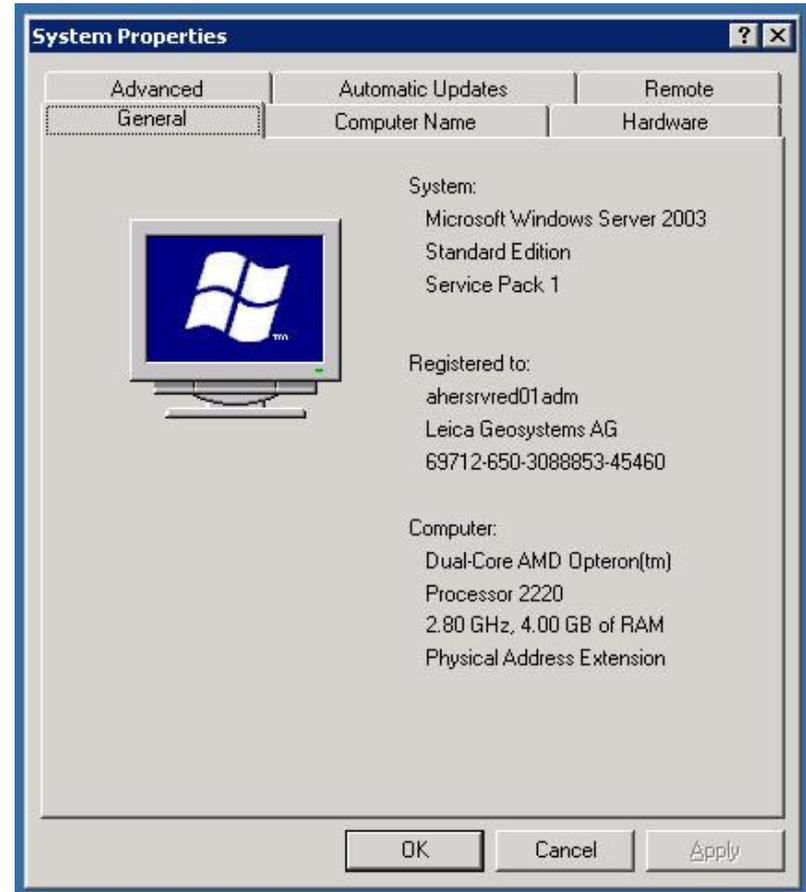
Technologie
Hardware

Datenbank Server

- Windows 2003 R2
- 2 Prozessoren - 2 Kerne
- 2 GB RAM
- SCSI RAID 5
- 6 Festplatten à 46 GB

- when it has to be **right**

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CMS Server
Auslastung

CPU Last

Disk IO

Memory RAM

- when it has to be **right**
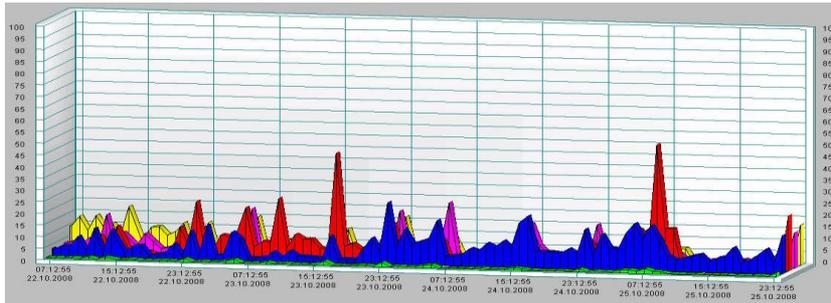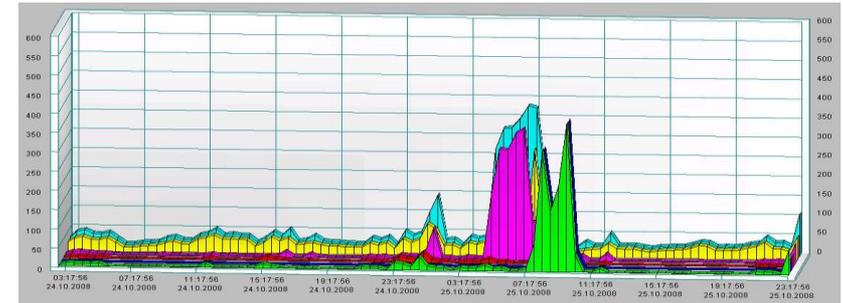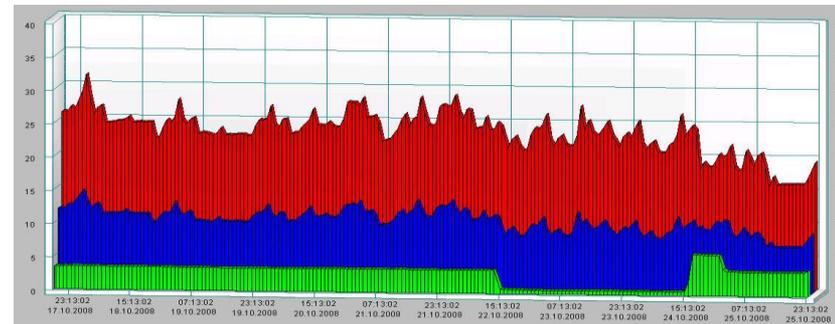
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Datenbank Server
Auslastung

CPU Last

Disk IO

Memory RAM

- when it has to be **right**
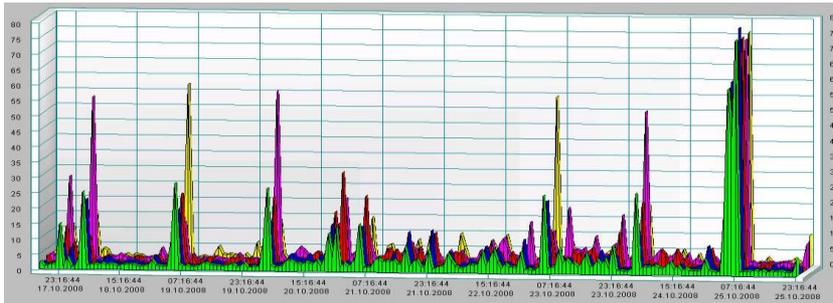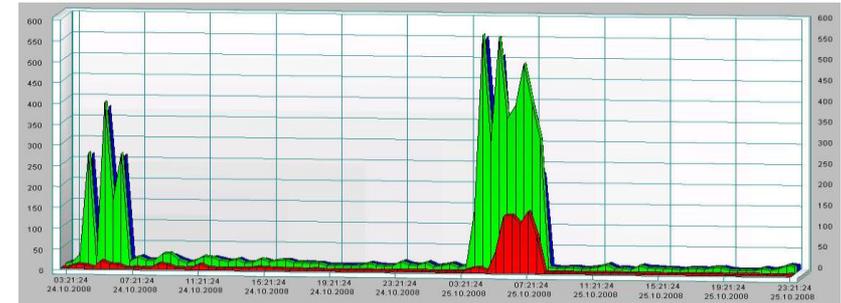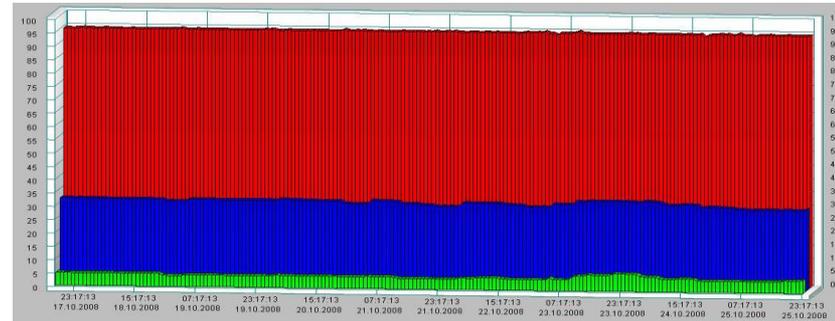
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Projektaufbau
Sprach- und Projektvarianten

Sprachvarianten

- 18 Varianten
- 17 Aktiv

Projektvarianten

- 29 Varianten
- 26 Aktiv

- when it has to be right
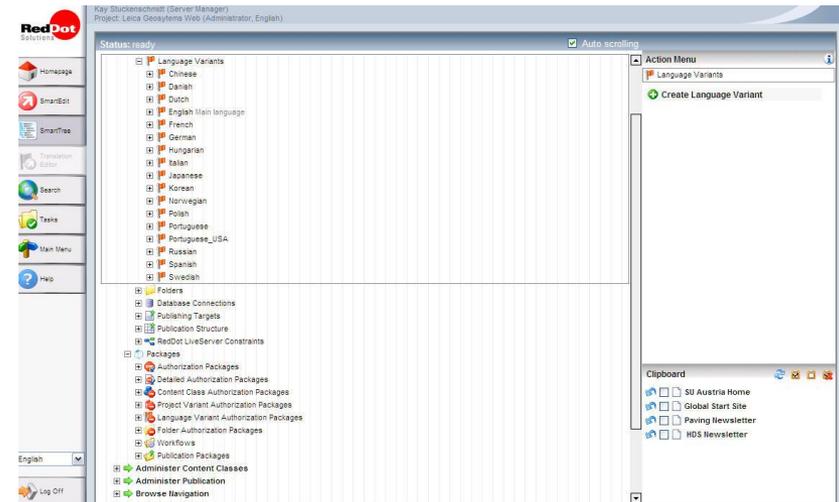
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Projektaufbau
Projektvariante

Leica Geosystems – Division

- when it has to be **right**

Projektaufbau
Sprach- Ländervarianten

Leica Geosystems – Länderwebseiten Übersicht

- when it has to be **right**

Projektaufbau
Publizierung

Publizierungspakete

- Divisionen
- Sprachen
- Produkte
- Lösungen
- Freie Seiten

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Projektaufbau
Publizierung

Publizierungsjobs

- Divisionen
- Länder
- 19.00 – 07.00 Uhr
  - Ost -> West

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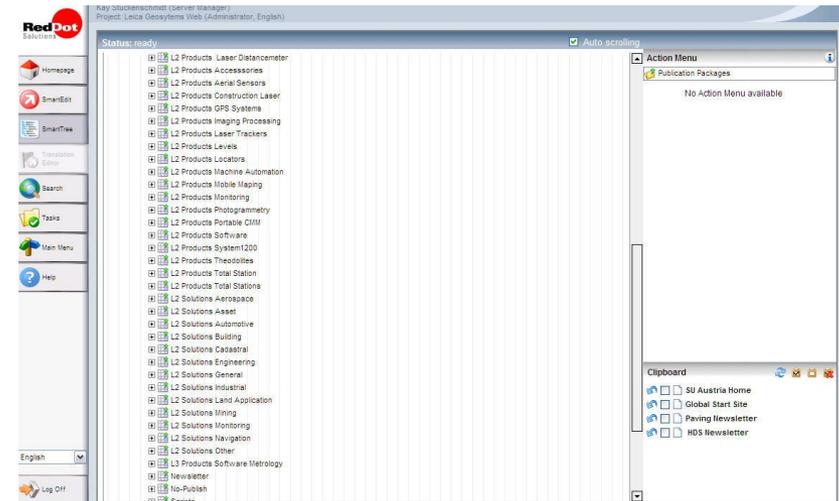
Navigation im Detail
Seitenverwaltung

Globale Startseite

- Zentraler Einstiegspunkt für Admins

- Verknüpfte Varianten

- Sitemap Administration

- Publizierung

- when it has to be **right**

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Navigation im Detail
Seitenverwaltung

Globale Startseite

- when it has to be **right**

Navigation im Detail
Seitenverwaltung

Projekt/Variante Startseite

- Einstiegspunkt für Editoren
- Verknüpfte Varianten
- Sitemap Administration
- Publizierung

- when it has to be **right**

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Navigation im Detail
Seitenverwaltung

Projekt/Variante Startseite

- when it has to be **right**

Navigation im Detail
Seitenverwaltung

Produkte, Lösungen - Vererbung

- Zentrale Pflege
- Vererbung in Varianten

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Navigation im Detail
Seitenverwaltung

SmartTree: Content Vererbung

- when it has to be **right**

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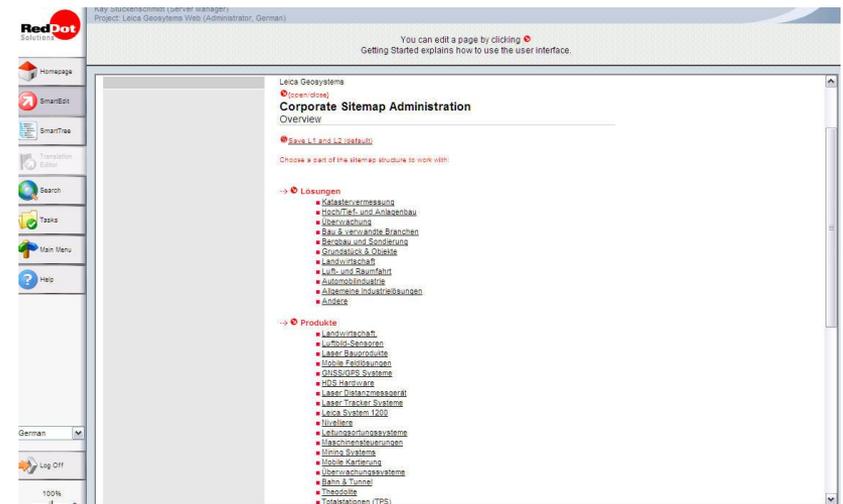
Navigation im Detail
Code behind

Teilbaum: SmartTree

- Referenzen in Varianten
- Mehrsprachige Seiten einfach vererben
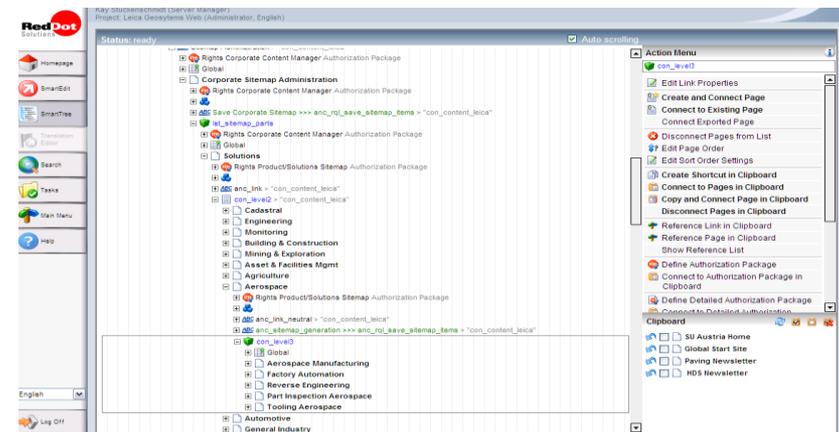
- when it has to be **right**

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Navigation im Detail
Code behind

Teilbaum: SmartTree

- when it has to be **right**
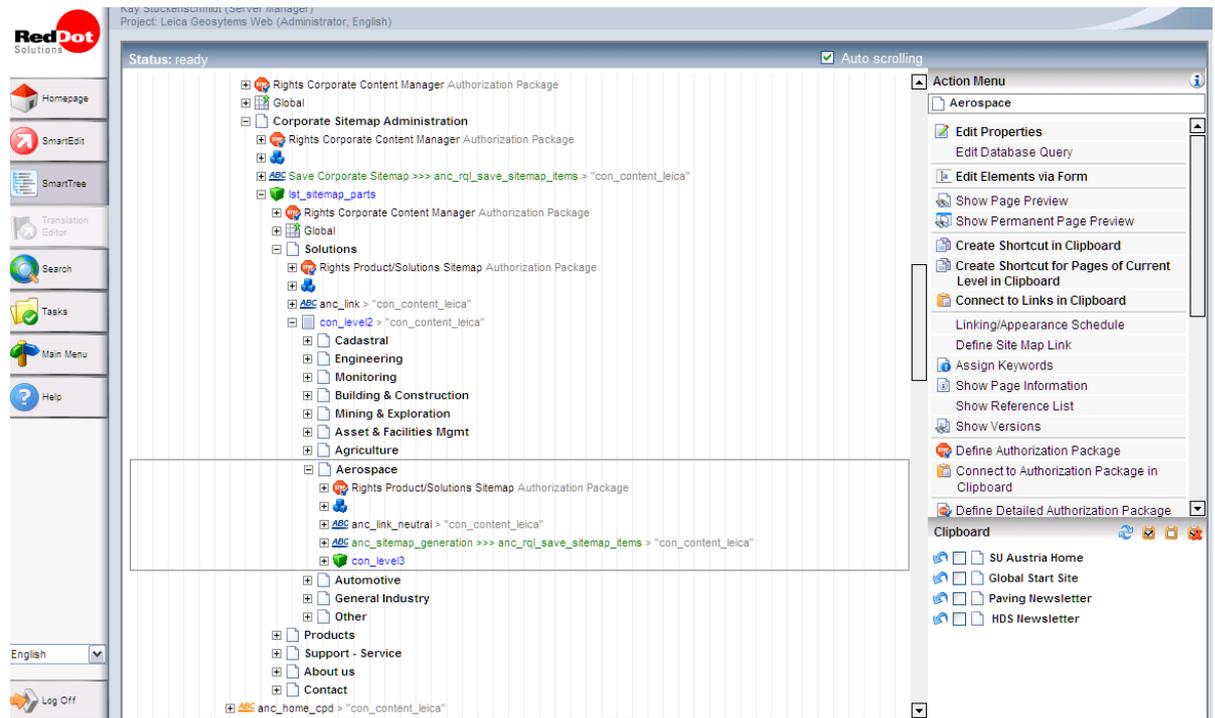
Navigation im Detail
Code behind

Ausschnitt: Konfiguration

- Startpunkt (GUID) des Startpunktes
- Name des Variante
- Sprachvariante(n)

```
' -------------------------------------------------------------------------
' START OF CONFIGURATION AREA
' -------------------------------------------------------------------------
' Constants to extend if new website is realized
'-------------------------------------------
' Website Extension
Const COUNT_PROJECT_VAR = 27
Dim aProjectVar(30, 3)  ' Project variant array
aProjectVar(0, NAME) = "Corporate"
aProjectVar(0, GUID) = "8656FA6BD5714667A682F05631371EBE"
aProjectVar(0, LANGS) = "0,1"
aProjectVar(1, NAME) = "Metrology"
aProjectVar(1, GUID) = "3CBACCB099D5409092836AAD1EB948A8"
aProjectVar(1, LANGS) = "0,1"
aProjectVar(2, NAME) = "CPD"
aProjectVar(2, GUID) = "6982480138154DAD886A78717CD0997A"
aProjectVar(2, LANGS) = "0,1"
aProjectVar(3, NAME) = "se"
aProjectVar(3, GUID) = "86065777142F4F01965445ACA1D40D10"
aProjectVar(3, LANGS) = "0,1"
aProjectVar(4, NAME) = "HDS"
aProjectVar(4, GUID) = "BDCD1475B784455386A9BEECEE481E58"
aProjectVar(4, LANGS) = "0"
aProjectVar(5, NAME) = "ch"
aProjectVar(5, GUID) = "2B128E0806A542EFB3025F34A74554BF"
aProjectVar(5, LANGS) = "1,2"
aProjectVar(6, NAME) = "de"
aProjectVar(6, GUID) = "B86D9002D9924FF1854D3DBB3A51F859"
aProjectVar(6, LANGS) = "1"
aProjectVar(7, NAME) = "service"
aProjectVar(7, GUID) = "B11D0D7A4B0443EC826F6DEA29F133E8"
aProjectVar(7, LANGS) = "0"
aProjectVar(8, NAME) = "dk"
aProjectVar(8, GUID) = "04529AF4E43A479CBEF8A6375A30D660"
aProjectVar(8, LANGS) = "3"
aProjectVar(9, NAME) = "no"
aProjectVar(9, GUID) = "A10CE1D5DC5342B789070D01BA520DC6"
aProjectVar(9, LANGS) = "4"
aProjectVar(10, NAME) = "it"
aProjectVar(10, GUID) = "0A1E83812D084DE0895AF8183B0ADB30"
aProjectVar(10, LANGS) = "5"
aProjectVar(11, NAME) = "ar"
aProjectVar(11, GUID) = "B8150EF5895C4F97BDB96AC03EBA0E2E"
```

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Navigation im Detail
Code behind

Ausschnitt: Konfiguration

```
' --------------------------------------------------------------------------
' START OF CONFIGURATION AREA
' --------------------------------------------------------------------------
' Constants to extend if new website is realized
'-------------------------------------------
' Website Extension
Const COUNT_PROJECT_VAR = 27
Dim aProjectVar(30, 3)   ' Project variant array
aProjectVar(0, NAME) = "Corporate"
aProjectVar(0, GUID) = "8656FA6BD5714667A682F05631371EBE"
aProjectVar(0, LANGS) = "0,1"
aProjectVar(1, NAME) = "Metrology"
aProjectVar(1, GUID) = "3CBACCB099D5409092836AAD1EB948A8"
aProjectVar(1, LANGS) = "0,1"
aProjectVar(2, NAME) = "CPD"
aProjectVar(2, GUID) = "6982480138154DAD886A78717CD0997A"
aProjectVar(2, LANGS) = "0,1"
aProjectVar(3, NAME) = "se"
aProjectVar(3, GUID) = "86065777142F4F01965445ACA1D40D10"
aProjectVar(3, LANGS) = "0,1"
aProjectVar(4, NAME) = "HDS"
aProjectVar(4, GUID) = "BDCD1475B784455386A9BEECEE481E58"
aProjectVar(4, LANGS) = "0"
aProjectVar(5, NAME) = "ch"
aProjectVar(5, GUID) = "2B128E0806A542EFB3025F34A74554BF"
aProjectVar(5, LANGS) = "1,2"
aProjectVar(6, NAME) = "de"
aProjectVar(6, GUID) = "B88D9002D9924FF1854D3DBB3A51F859"
aProjectVar(6, LANGS) = "1"
aProjectVar(7, NAME) = "service"
aProjectVar(7, GUID) = "B11D0D7A4B0443EC826F6DEA29F133E8"
aProjectVar(7, LANGS) = "0"
aProjectVar(8, NAME) = "dk"
aProjectVar(8, GUID) = "04529AF4E43A479CBEF8A6375A30D660"
aProjectVar(8, LANGS) = "3"
aProjectVar(9, NAME) = "no"
aProjectVar(9, GUID) = "A10CE1D5DC5342B789070D01BA520DC6"
aProjectVar(9, LANGS) = "4"
aProjectVar(10, NAME) = "it"
aProjectVar(10, GUID) = "0A1E83812D084DE0895AF8183B0ADB30"
aProjectVar(10, LANGS) = "5"
aProjectVar(11, NAME) = "ar"
aProjectVar(11, GUID) = "B8150EF5895C4F97BDB96AC03EBA0E2E"
aProjectVar(11, LANGS) = "0,1"
aProjectVar(12, NAME) = "uk"
```

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Navigation im Detail
Code behind

Teilbaum: Export Script

- Zusätzliche Datenbank
- Bis zu 4 Levels

```
' ****************************************************
' * Function  : CreateLink
' * Description : Creates the internal RedDot link
' ****************************************************
Function CreateLink(strGuidPage, strLanguageVar, strProjectVar)
Dim strLink, strProjectVarGuid, strLinkElementGuid, strPageGuid, strTargetSwitchValue, i
    If debugLevel >= DEBUG_ALL Then
        Log("CreatLink:PageGUID " & strGuidPage)
    End if
    ' 1. Prepare/get information
    ' Get guid of link element anc_link_neutral
    strAnswer = sendXML(RQLLinksLoad(strGuidPage))
    strLinkElementGuid = getXMLListValue(strAnswer, "LINK", "guid", "name", "anc_link_neutral")
    ' Does a neutral link element exist?
    If strLinkElementGuid <> "-1" Then
        ' Get opt_target_website element
        strAnswer = sendXML(RQLGetElements(strGuidPage))
        ' Does any target switch exist?
        strTargetSwitchValue = getXMLListValue(strAnswer, "ELEMENT", "value", "name", "opt_target_website")
        strProjectVarGuid = ""
        If strTargetSwitchValue <> "-1" Then
            ' If a target switch exists: establish selected project variant
            strTargetSwitchValue = getXMLListValue(strAnswer, "SELECTION", "value", "guid", strTargetSwitchValue)
            ' Apply default value, if switch has never been set
            If strTargetSwitchValue = "-1" Then
                strTargetSwitchValue = "none"
            End if
            If (LCase(strTargetSwitchValue) = "none") Then
                strProjectVarGuid = GetProjectVariantGuid(strProjectVar)
            Else
                strProjectVarGuid = GetProjectVariantGuid(strTargetSwitchValue)
            End if
        Else
            ' If no target switch exists: establish current project variant guid
            strProjectVarGuid = GetProjectVariantGuid(strProjectVar)
        End if
    Else
        ' Solutions, Rest of Sitemap, Products Level 1:
        ' Get guid of link element anc_link
        strLinkElementGuid = getXMLListValue(strAnswer, "LINK", "guid", "name", "anc_link")
        ' Get current project variante
        strProjectVarGuid = GetProjectVariantGuid(strProjectVar)
    End if
```

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Navigation im Detail
Code behind

Teilbaum: Export Script

```
' ****************************************************
' * Function   : CreateLink
' * Description : Creates the internal RedDot link
' ****************************************************
Function CreateLink(strGuidPage, strLanguageVar, strProjectVar)
Dim strLink, strProjectVarGuid, strLinkElementGuid, strPageGuid, strTargetSwitchValue, i
    If debugLevel >= DEBUG_ALL Then
        Log("CreatLink:PageGUID" & strGuidPage)
    End if
    ' 1. Prepare/get information
    ' Get guid of link element anc_link_neutral
    strAnswer = sendXML(RQLLinksLoad(strGuidPage))
    strLinkElementGuid = getXMLListValue(strAnswer, "LINK", "guid", "name", "anc_link_neutral")
    ' Does a neutral link element exist?
    If strLinkElementGuid <> "-1" Then
        ' Get opt_target_website element
        strAnswer = sendXML(RQLGetElements(strGuidPage))
        ' Does any target switch exist?
        strTargetSwitchValue = getXMLListValue(strAnswer, "ELEMENT", "value", "name", "opt_target_website")
        strProjectVarGuid = ""
        If strTargetSwitchValue <> "-1" Then
            ' If a target switch exists: establish selected project variant
            strTargetSwitchValue = getXMLListValue(strAnswer, "SELECTION", "value", "guid", strTargetSwitchValue)
            ' Apply default value, if switch has never been set
            If strTargetSwitchValue = "-1" Then
                strTargetSwitchValue = "none"
            End if
            If (LCase(strTargetSwitchValue) = "none") Then
                strProjectVarGuid = GetProjectVariantGuid(strProjectVar)
            Else
                strProjectVarGuid = GetProjectVariantGuid(strTargetSwitchValue)
            End if
        Else
            ' If no target switch exists: establish current project variant guid
            strProjectVarGuid = GetProjectVariantGuid(strProjectVar)
        End if
    Else
        ' Solutions, Rest of Sitemap, Products Level 1:
        ' Get guid of link element anc_link
        strLinkElementGuid = getXMLListValue(strAnswer, "LINK", "guid", "name", "anc_link")
        ' Get current project variante
        strProjectVarGuid = GetProjectVariantGuid(strProjectVar)
    End if
```

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Navigation im Detail
Code behind

Teilbaum: Navigationspunkte auslesen

- Gespeicherte Punkte auslesen
- 4 Levels generieren
- JS (Horizontal – Dropdown)
- ASP (Vertikal - Baum)

```
If Err.Number = 0 Then
    On Error Goto 0
    ' Read Level 1 items
    Set rsLevel1 = connection.Execute("SELECT * FROM xSitemapStructure " & _
                                      "WHERE LanguageVar = '" & strLang & "' " & _
                                      "and ProjectName = '" & RD_PROJECT_NAME & "' " & _
                                      "and ProjectVar = '" & strProjectVar & "' " & _
                                      "and Level = 1 " & _
                                      "ORDER BY ItemIndex asc")

    ' Read subitems of each level 1 item
    While Not rsLevel1.EOF
        ' Save level 1
        SaveSitemapItem iLastIndex, rsLevel1
        ' Read Level 2 items
        Set rsLevel2 = connection.Execute("SELECT * FROM xSitemapStructure " & _
                                          "WHERE LanguageVar = '" & strLang & "' " & _
                                          "and ProjectName = '" & RD_PROJECT_NAME & "' " & _
                                          "and ProjectVar = '" & strProjectVar & "' " & _
                                          "and Level1GUID = '" & rsLevel1("PageGUID") & "' " & _
                                          "and Level = 2 " & _
                                          "ORDER BY ItemIndex asc")

        ' Read subitems of each level 1 item
        While Not rsLevel2.EOF
            ' Save level 2
            SaveSitemapItem iLastIndex, rsLevel2

            ' Get level 2 and further
            Set rs = connection.Execute("SELECT * FROM xSitemapStructure " & _
                                        "WHERE LanguageVar = '" & strLang & "' " & _
                                        "and ProjectName = '" & RD_PROJECT_NAME & "' " & _
                                        "and ProjectVar = '" & strProjectVar & "' " & _
                                        "and Level2GUID = '" & rsLevel2("PageGUID") & "' " & _
                                        "and Level > 2 " & _
                                        "ORDER BY ItemIndex asc")
            ' Save all items to array (level 2 and further)
            While Not rs.EOF
                SaveSitemapItem iLastIndex, rs
                rs.MoveNext
            Wend
            ' Next level 2
            rsLevel2.MoveNext
```

- when it has to be **right**

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Navigation im Detail
Code behind

Teilbaum: Navigationspunkte auslesen

```
If Err.Number = 0 Then
    On Error Goto 0
    ' Read Level 1 items
    Set rsLevel1 = connection.Execute("SELECT * FROM xSitemapStructure " & _
                                "WHERE LanguageVar = '" & strLang & "' " & _
                                "and ProjectName = '" & RD_PROJECT_NAME & "'
                                "and ProjectVar = '" & strProjectVar & "' " &
                                "and Level = 1 " & _
                                "ORDER BY ItemIndex asc")

    ' Read subitems of each level 1 item
    While Not rsLevel1.EOF
        ' Save level 1
        SaveSitemapItem iLastIndex, rsLevel1
        ' Read Level 2 items
        Set rsLevel2 = connection.Execute("SELECT * FROM xSitemapStructure " & _
                                    "WHERE LanguageVar = '" & strLang & "' "
                                    "and ProjectName = '" & RD_PROJECT_NAME &
                                    "and ProjectVar = '" & strProjectVar & "'
                                    "and LevelGUID = '" & rsLevel1("PageGUID
                                    "and Level = 2 " & _
                                    "ORDER BY ItemIndex asc")
        ' Read subitems of each level 1 item
        While Not rsLevel2.EOF
            ' Save level 2
            SaveSitemapItem iLastIndex, rsLevel2

            ' Get level 2 and further
            Set rs = connection.Execute("SELECT * FROM xSitemapStructure " & _
                                    "WHERE LanguageVar = '" & strLang & "' " &
                                    "and ProjectName = '" & RD_PROJECT_NAME &
                                    "and ProjectVar = '" & strProjectVar & "'
```

- when it has to be **right**

Navigation im Detail
Code behind

ASP Script - Online

- Mehrdimensionales Array

- 1 Script pro Variante

- 1 Script pro Sprache / Variante

```
AddSitemap "1", "Solutions", "/corporate/en/ndef/lgs_861.htm", "72081", "65"

    ' Add to sitemap array
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "2", "Cadastral", "/corporate/en/solutions/cadastral/lgs_850.htm", "417", "0"
    end if

    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "Connect the Coastal Dots", "/corporate/en/ndef/lgs_71920.htm", "71919", "0"
    end if


    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "Dutch Watershappen use MobileMatriX", "/corporate/en/ndef/lgs_67938.htm", "67937", "0"
    end if


    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "AFREF", "/corporate/en/ndef/lgs_66547.htm", "66546", "0"
    end if


    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "Channel Islands", "/corporate/en/ndef/lgs_65975.htm", "65973", "0"
    end if
```

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Navigation im Detail
Code behind

ASP Script - Online

```
AddSitemap "1", "Solutions", "/corporate/en/ndef/lgs_861.htm", "72081", "65"

    ' Add to sitemap array
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "2", "Cadastral", "/corporate/en/solutions/cadastral/lgs_850.htm", "417", "0"
    end if

    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "Connect the Coastal Dots", "/corporate/en/ndef/lgs_71920.htm", "71919", "0"
    end if


    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "Dutch Watershappen use MobileMatriX", "/corporate/en/ndef/lgs_67938.htm", "67937", "0"
    end if


    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "AFREF", "/corporate/en/ndef/lgs_66547.htm", "66546", "0"
    end if


    ' Add to sitemap array
    ' Website Extension
    if ("yes" = "yes") or ("yes" = "") Then
        AddSitemap "3", "Channel Islands", "/corporate/en/ndef/lgs_65975.htm", "65973", "0"
    end if
```

- when it has to be **right**

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Navigation im Detail
Seitenverwaltung

Sitemap online

- JavaScript
- ASP

- when it has to be **right**

Navigation im Detail
Seitenverwaltung

Top Navigation - Live

- when it has to be **right**

RedDot Usergroup e.V.
Anwendertagung vom 28. Oktober 2008

Vorteile vs Navigation Manager

- Massgeschneidert

- Berechtigungen greifen

- Performance

Nachteile vs Navigation Manager

- RQL / ASP

- Komplex

- Aufwendige Wartung

- when it has to be **right**

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Script / Agenda
Tagung vom 28. Oktober 2008

Vielen Dank für Ihre Aufmerksamkeit.

Kay Stuckenschmidt

Webmaster / Projektleiter

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