

# 10 Things You Can Do in 10 Minutes With The Toolkit

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# Agenda

- Introduction
  - Purpose
  - What is the Toolkit?
- 10 Exercises in 10 Minutes
- Conclusion
- Questions

# Purpose

- **Quick and easy improvements** to your site that you may not know you could do with the Toolkit
- Old and new **tricks** that are not necessarily in the training curriculum
- 10 things to expand our **vision** and explore **possibilities** with the Toolkit

# What is the Toolkit?

- History
  - Before AMS, Avector built CMS
  - Software to build software
- Concept
  - Everything is a data row in a database table
  - An engine to render this data into a web page
- What does it do?
  - Helps expand database and software to address custom needs
  - Keeps customizations in structure, allows getting new features/bug fixes via upgrades and service packs
- Who uses it?
  - Clients
  - Partners
  - Avector Developers (R&D, Implementers)

# 1 of 10 – Child Forms

- Adding a **Copy Record** Feature to a child form
- BONUS: Two varieties of child form mouseover previews

# Requirement

- Ability to copy an existing organization relationship of an individual

# Solution

- Modify individual organization child form
- Add a “copy” link in a child form to allow user to copy an existing record
- Link will open the “Add” page and default certain values based on the record being copied

# Modify Child Form

- Save a tiny “copy” GIF file in /iweb/images/img\_copy.gif
- Modify the Child Form Select SQL:

```
SELECT
org_cst_key,
ixo_key,
[ ] = ' <a href="javascript:OpenNewWindow("../forms/DynamicEditModal.aspx?" +
      → 'Action=Add' +
      → '&FormKey=eb7d8f2c-b258-444b-87d6-1aa2874d4da0' +
      → '&org_name=' + org_name +
      → '&ixo_org_cst_key=' + convert(char(36),ixo_org_cst_key) + ''")">' +
      ' </a>',
[Organization Name]=case when cst_ixo_key=ixo_key then cst_org_name_dn else
org_name end.
```

- See [wiki](#) for more.



# Result

- Before:

The screenshot shows a web application interface with a navigation bar containing tabs for 'Membership', 'Relations', 'Contact Info', 'Events', 'Participation', and 'More'. Below the navigation bar is a breadcrumb trail 'organizations'. The main content area displays a table with the following columns: Organization Name, Organization Type, Role, Title, Start Date, End Date, and Primary. A single row of data is visible for 'Avectra' with the following values: Corporation, Staff, Sr. Account Executive, and a checked 'Primary' status. There are also icons for edit, delete, and add at the beginning of the row.

Organization Name	Organization Type	Role	Title	Start Date	End Date	Primary
Avectra	Corporation	Staff	Sr. Account Executive			✓

- After:

This screenshot is identical to the one above, showing the same table with one row of data for 'Avectra'. However, a red circle is drawn around the 'Add' icon (represented by a document with a plus sign) located at the beginning of the data row.

Organization Name	Organization Type	Role	Title	Start Date	End Date	Primary
Avectra	Corporation	Staff	Sr. Account Executive			✓

# Result

- When user clicks “copy” link, add form pops up and **organization** is defaulted:

The screenshot shows a web application interface. At the top, there are tabs for 'Membership', 'Relations', 'Contact Info', 'Events', 'Participation', and 'More». Below the tabs is a table with the following data:

Organization Name	Organization Type	Role	Title	Start Date	End Date	Primary
Avectra	Corporation	Staff	Sr. Account Executive			✓

A red arrow points from the 'copy' icon in the table to a pop-up window titled 'Add - Individual Affiliation - Windows Internet Explorer'. The pop-up window contains the following form fields:

- Relationship** section:
  - individual:** Harrison Griff
  - organization:** Avectra (circled in red, with a red arrow pointing to it from the table and the text 'organization is defaulted' next to it)
  - relationship type:** (dropdown menu)
  - title:** (text input)
  - start date:** 02/16/2008 (calendar icon)
  - end date:** (calendar icon)
  - primary?:**
- record information** section:
  - save mode: Insert
  - dhopkins (with edit and delete icons)
  - Save and Cancel buttons

The bottom of the screen shows 'Local intranet' and '100%' zoom level.

# 1 of 2: Mouseover in Child Form

- Add a “mouseover” link that embeds a HTML “title” tag that user can see upon mouseover



Membership	Relations	Contact Info	Events	Participation	More >>	
organizations						
Organization Name	Organization Type	Role	Title	Start Date	End Date	Primary
<a href="#">Avecra</a>	Corporation	Board Member		2/16/2008		
<a href="#">Avecra</a>	Corporation	Staff	Sr. Account Executive			✓
<a href="#">American Express</a>		Executive		2/16/2008		
related individuals						

- Use this when you want to show more info on a child form but don't have room

# 1 of 2: MouseOver setup

- UDF: `av_mouseover_preview_childform`
- First parameter is **popup** text
- Second parameter is **display** text

```
SELECT
org_cst_key,
ixo_key,
f ] = ' <a href="javascript:OpenNewWindow("../forms/DynamicEditModal.aspx? +
1
      'Action=Add' +
      '&FormKey=eb7d8f2c-b258-444b-87d6-1aa2874d4da0' +
      '&org_name=' + org_name +
      '&ixo_org_cst_key=' + convert(char(36),ixo_org_cst_key) + ''")>' +
      '</a>',
[Organization Name]= [dbo].[av_mouseover_preview_childform] (
  convert(nvarchar(500), org_popup),
  case when cst_ixo_key=ixo_key then cst_org_name_dn else org_name end),
[Organization Type]=org_ogt_code,
```

## 2 of 2: Child Form Preview

- Preview forms are AJAX popup forms that show more info on a child form
- Powerful way to make child forms show more information, but only when user wants it
- Added in 2007.01 build



# 2 of 2: Child Form Preview in Action

- Hover mouse over “info” icon:

Membership	Relations	Contact Info	Events	Participation	More»		
individual memberships							
Association	Mbr Type	Mbr Status	Mbr Through	Join	Effective	Expire	Terminate
ASTC	Organizational	Active	Avectra	1/6/2008	1/6/2008	1/5/2009	

Phone: sort name: Avectra

Fax: association: ASTC

Google™ chapter:

member type: Organizational

member status: Active

member package: 1 yr Organizational Membership

renewal package: 1 yr Organizational Membership

source code:

**MEMBERSHIP DATES**

join date: 01/06/2008

effective date: 01/06/2008

expire date: 01/05/2009

termination date:

## 2 of 2: Child Form Preview - Setup

- Add a new Form for Preview Form and Design it
- Should be same Object as child form's destination form.
- In Child Form definition, enter the Preview Form and Key (if different)
- See [wiki](#)

**Child Form Action Icons**

allow add?  +

allow edit?  ✎

allow delete?  ✖

allow go to?  ↗

allow export?  📄

allow preview?  ⓘ ←

Note: Child form menus will ONLY work with Designed Forms and ONLY on iWeb.

**Goto Override Form (optional)**

goto key column:  
mbr\_key

goto override form:  
Membership Detail 🔍

Specify **Goto Form** and **Goto Key Column** only when you wish the Goto button to go to a different form than the destination form. Goto Key Column will be used to select the record. **Make sure that you select this column in the SQL select.**

**Preview Override Form (optional)**

preview key column:  
mbr\_key

preview override form:  
Membership Preview 🔍

# Child Forms – The Vision

- Child Forms can return more than just viewable data
- Add images, hyperlinks, mouseovers, etc.
- Preview Form



## 2 of 10 - Lookups

- Searching on **multiple criteria** with a lookup
- BONUS:
  - Type-ahead Suggest
  - Allow Clear

# Requirement

- When relating an individual to an organization, users should be able to search for the individual to be related either by:
  - name (textbox)
    - and/or
  - customer id (textbox)
    - and/or
  - individual type (dropdownlist)

# Solution

- On individual – Organization Relationship form:
  - Customer Id and Individual Type controls will be added to the form
  - Existing customer name lookup will be modified to pass customer id and individual type in lookup's "where expression"

# Currently

## Add - Organization Affiliation


### Relationship Information

organization name: Avectra

**individual sort name:**  

**relationship type:** Staff 

title:

start date: 02/16/2008 

end date:  

primary affiliation?

org primary contact?

record information **save mode:** Insert

nguc  

Save

Cancel

# Column Definition

Make cst\_id column NOT be read-only:

The screenshot shows the 'Edit - Column' configuration page in the netFORUM application. The page is titled 'Edit - Column' and shows the configuration for the 'cst\_id' column in the 'co\_customer' table. The 'Column Properties' section includes a 'read only?' checkbox which is checked and circled in red. The 'DropDownList Configuration' section is also visible, with fields for 'from table', 'value column', 'display text column', 'value where', 'value where for add', and 'order by'. The 'record information' section at the bottom shows the current user and date, and the 'save mode' is set to 'Update'.

**Column Information**

column name:

table name:

actual table name:

column description:

list header:

control class:

input mask:

data type:

display width:

maximum length:

order:

default value:

**Column Properties**

nullable?

extended?

**read only?**

edit read only?

hidden?

required?

causes post back?

has lookup?

not editable?

log changes?

column properties are applied wherever this column is displayed in netFORUM. In certain cases, you may override these default properties on a particular form, search control, and in other areas.

**DropDownList Configuration**

from table:

value column:

display text column:

value where:

value where for add:

order by:

if control class is a DropDownList, then configure these settings to populate the control from values pulled from a database table or from hard-coded semicolon-delimited values in the value where

**record information** save mode: Update

created: XMEN\ali-2/8/2002 3:05:11 PM



updated: eameh-2/26/2003 8:44:38 PM

Metadata Lock  hide/disable record?  insert after save  keep values

# Form Designer

Add the two controls:

Copy From Form:  Background:

Controls:  Page:  Width:  Height:

Relationship Information

organization name:

**individual sort name:**  sort name:

customer id:  customer id:

**individual type:**  individual type:

**relationship type:**  relationship type:

title:

start date:

end date:

primary affiliation?

org primary contact?

# Lookup Definition

Modify the where expression:

## Edit - Look Up

### Source -- where the Lookup Button is located

- **Source Control:** Control on Source Form to which you want to bind the lookup button. This control must have "has lookup" checkbox checked in its column definition. Lookup Button will appear to the right of the control source.
- **Source Form:** Defaulted to the form on which the lookup will appear.
- **Source.aspx:** Enter page when lookup is to appear; typically *DynamicEdit.aspx*.

source control:

source form key:

source.aspx:

### Destination -- where the Lookup Button is looking into

- **Destination.aspx:**.aspx page the lookup button launches when clicked; typically *DynamicList.aspx*. When your Lookup Source Control is a DropDownList (a rare occurrence), you \*must\* pass in an extra paramter, so your value in this field will be: *DynamicList.aspx?ListAutoRedirect=yes*.
- **Destination facade object:** object that will be looked up.
- **Destination Form:** form that will be looked up; must belong to the *destination facade object*.
- **Destination Control:** The control in the *destination form* that relates back to the *source control*. This control is what the user's search term will match up to. Typically the destination control is the same as the source control
- **Where Expression:** Optional filter on the object being searched.
- **Return X-Ref Values Only:** Check for better performance
- **Persist Filter:** Check to retain the *where expression* if user attempts to change search

destination.aspx:

destination facade object:

destination form key:

destination control:

where expression:

```
ind_delete_flag = 0
AND cst_jd LIKE '%' + isNull({cst_id}, '') + '%'
AND isNull(ind_int_code, '') LIKE isNull
({ind_int_code}, '') + '%'
```

return xref values only?

\* type-ahead suggest?  \*NEW

persist filter?

\* allow clear?  \*NEW

# Result

## Add - Organization Affiliation

Relationship Information

organization name:

customer id:  individual type:

individual sort name:

relationship type:

1	First	Last	Organization	E-mail	Address	City, S
	Tracey	Cook	Avectra	tcook@avectra.com	7901 Jones Branch Dr	Mc Lea

title:

start date:

end date:

primary affiliation?

org primary contact?

## Add - Organization Affiliation

Relationship Information

organization name:

customer id:  individual type:

individual sort name:

relationship type:

title:

start date:

end date:

primary affiliation?

org primary contact?





## 3 of 10 - Dropdownlists

- **Changing values** displayed in a dropdownlist
- Dropdownlist **dependant** on other form controls

# Requirement

- Ability to filter events dropdownlist to only display “National” events
- Add a checkbox that the dropdownlist is dependant on
- Make dropdownlist show all events if the checkbox is checked

# Solution

- Design Form, add a Checkbox and Label
- Make Checkbox have “Auto Postback”
- Refine DropDownList definition:

The screenshot shows the 'Advanced' properties window for a DropDownList control. The 'Value From' property is set to 'sql'. The 'Value Column' is 'evt\_key' and the 'Value Text Column' is 'combo'. The 'Value Where' property contains the following SQL code:

```
declare @CHECKBOX nvarchar(20)
set @CHECKBOX = {CHECKBOX_0}
select evt_key, order = evt_title, combo = CASE WHEN isnull(@CHECKBOX, 'unchecked') = 'unchecked' THEN evt_title
```

# DropDownList SQL

```

declare @CHECKBOX nvarchar(20)
set @CHECKBOX = {CHECKBOX_0}

/*
Parsed Value of {CHECKBOX_0}
Will be "on" if checked.
Will be NULL if unchecked.
*/

select
    evt_key,
    _order = evt_title,
    combo = CASE WHEN
        isnull( @CHECKBOX , 'unchecked') = 'unchecked' THEN evt_title
        ELSE evt_title + ' (' + isnull(etc_code, 'n/a') + ')' END
from
    dbo.ev_event (nolock)
    left join dbo.ev_event_category (nolock)
        ON evt_etc_key = etc_key
where
    evt_delete_flag=0
    and (evt_start_date is null or evt_start_date+30>=getdate())
    and (evt_end_date is null or evt_end_date >=convert(datetime,convert(varchar(10),getdate(),101)) )
    and
        (
            -- if Unchecked, then only show National events
            (etc_code = 'National' and isnull( @CHECKBOX , 'unchecked') = 'unchecked')
            OR
            -- if Checked, then show all events
            (isnull( @CHECKBOX , 'checked') != 'checked')
        )
order by
    _order

```

# DropDownList SQL (text)

```
declare @CHECKBOX nvarchar(20)
set @CHECKBOX = {CHECKBOX_0}

select evt_key, _order = evt_title, combo = CASE WHEN isnull( @CHECKBOX ,
'unchecked') = 'unchecked' THEN evt_title ELSE evt_title + ' (' +
isnull(etc_code, 'n/a') + ')' END
from dbo.ev_event (nolock) left join dbo.ev_event_category (nolock) ON
    evt_etc_key = etc_key
where
    evt_delete_flag=0 and (evt_start_date is null or
    evt_start_date+30>=getdate()) and (evt_end_date is null or evt_end_date
    >=convert(datetime,convert(varchar(10),getdate(),101)) )
and ((etc_code = 'National' and isnull( @CHECKBOX , 'unchecked') =
'unchecked') OR (isnull( @CHECKBOX , 'checked') != 'checked'))
order by _order
```

# Result

- Conditionally populate DropDownList values
- Compound DropDownList text

Registrant Info

event: Partnership Conference

start date: Partnership Conference

Registrant

show all

Registrant Info

event: Partnership Conference (National)

start date: 2008 ASTC Annual Technology Conference (n/a)

Registrant: Partnership Conference (National)

Washington State 2008 Summitt (Local)

show all

## 4 of 10 –ListControls

- Adding a control (**ListControl**) whose values are **populated with a SQL statement**



# Requirement

- Ability to track custom deployments and punchlist issue fixes on a netFORUM site



# Solution

- A new database table will be added
- Corresponding netFORUM form will be created
- A new control using ListControl.ascx will be added to a profile form to display the most recent deployments and to allow users to update this information

# Currently

The screenshot shows the 'Admin' section of the NET:FORUM application. The browser address bar indicates the URL 'av-train2.netforumaudc08, 2007.1.0.5463'. The user is logged in as 'welcome nguc'. The navigation menu includes 'Overview', 'User', 'Group', 'Group Privileges', 'Department', 'Role Setup', 'Column', 'Table', 'Report Setup', and 'Job Scheduler'. The main content area is titled 'OVERVIEW' and provides a brief description of the Admin content group. Below this, there are six main categories, each with an icon and a brief description:

- User**: Manage all users with administrative access.
- Group**: Create and Manage groups of users with the same access privileges.
- Group Privileges**: Manage group access privileges to tables.
- Column**: View columns in the database.
- System Options**: Manage system-wide options.
- Reports Setup**: Setup and Manage Reports.

Below these categories is a section titled 'MANAGEMENT TOOLS' with the instruction: 'Populate and manage privileges for groups and users with these tools.' This section contains six specific tools:

- Set Group Security**: Set up access to content groups, items and links.
- Populate Group Privileges**: Initialize group-table privileges for newly added groups and tables.
- Populate User Privileges**: Populate privileges for a single user or all users.
- Copy Group Security**: Copy the group security settings for content groups, items and links from one group to another group.
- Copy Group Privileges**: Copy group-table privileges from one group to another group.
- Deploy Reports Tool**: Deploy Reports from current site to another site.

On the left side of the interface, there is a vertical sidebar with the following sections: 'RECENT CONTACTS', 'FAVORITES', and 'ACTIONS'.

# On the Database

- Create table
- Refine table (add columns)
- Populate meta data

# On the Toolkit

- Run Object Wizard
- Design Table
- Remove Content Item
- **Add Profile Detail (ListControl)**

# On Profile Form

- Add a new Profile Detail:

**Edit - Dynamic Profile Detail**

Profile Detail

**Primary**

key: 3cfe3426-973f-485f-a5f7-565eafc0d638

form: Admin Overview (NF2)

content form: Admin Overview (NF2)

**content type:** Web Control (.ascx)

child form:

tab:

content path: /controls/

content file name: ListControl.ascx

**Layout Coordinates**

layout row/ column: 1 2

rowspan/colspan: 1 1

frame width/height: 0 0

ADVANCED

```
{BeginListSQL}
select TOP 5 a99_key, [Cycle] = a99_cycle_number, [Date] = convert(nvarchar(30), a99_deployment_date, 101),
[User] = isnull(usr_friendly_name, a99_add_user), [notes] = replace(convert(nvarchar(200), a99_notes), ' ', '&nbsp;')
from client_av_deployment_cycle
left join fw_user on usr_code = a99_add_user
order by a99_deployment_date desc
{EndListSQL}
<DIV class=CRMQueries>
<TABLE class=Dataformdivdefault width=250>
<TBODY>
<TR>
<TD class=OverviewSubHeader vAlign=top align=left colSpan=2>
<TABLE cellSpacing=0 cellPadding=0 width="100%">
<TBODY>
<TR>
<TD class=OverviewSubHeader width="90%">Recent Deployments</TD>
<TD align=right><A href="javascript:OpenNewWindow('./forms/DynamicEditModal.aspx?Action=add&FormKey=a0447dbb-9554-4e56-be11-cf606cbf54ee')"><IMG src="./images/img_add1.gif" border=0></A></TD></TR></TBODY></TABLE></TD>
{BeginListDetail}
<TR>
<TD class=tinyTXT><A class=tinyTXT title={notes} href="javascript:OpenNewWindow('./forms/DynamicEditModal.aspx?FormKey=a0447dbb-9554-4e56-be11-cf606cbf54ee&key={a99_key}')">{Cycle}&nbsp;on&nbsp;{Date}&nbsp;by&nbsp;{User}
</A></TD>
{EndListDetail}
</TR>
</TBODY>
```

# ListControl

- SQL to pull data from the table:

```
{BeginListSQL}  
select TOP 5  
    a99_key, [Cycle] = a99_cycle_number,  
    [Date] = convert(nvarchar(30), a99_deployment_date, 101),  
    [User] = isnull(usr_friendly_name, a99_add_user),  
    [notes] = replace(convert(nvarchar(200), a99_notes), ' ', '&nbsp;')  
from  
    client_av_deployment_cycle  
    left join fw_user on usr_code = a99_add_user  
order  
    by a99_deployment_date desc  
{EndListSQL}
```

# ListControl

- HTML to display data in the recordset and provide hyperlink to Edit form:

```
{BeginListDetail}
<TD class=tinyTXT>
  <A class=tinyTXT title={notes}
    href="javascript:OpenNewWindow('../forms/DynamicEditModal.aspx?
    FormKey=a0447dbb-9554-4e56-be11-
    cf606cbf54ee&amp;key={a99_key}')">
    {Cycle}&nbsp;on&nbsp;{Date}&nbsp;by&nbsp;{User}
  </A>
</TD>
{EndListDetail}
```



# ListControl

- HTML to provide hyperlink to Add form:

```
<TD align=right>  
  <A  
    href="javascript:OpenNewWindow('../forms/DynamicEditModal.aspx?Action=add&FormKey=a0447dbb-9554-4e56-be11-cf606cbf54ee')">  
    <IMG src="../images/img_add1.gif" border=0>  
  </A>  
</TD>
```



# Result

The screenshot shows the 'Admin' section of the NET:FORUM interface. The top navigation bar includes 'Admin', 'Overview', 'User', 'Group', 'Group Privileges', 'Department', 'Role Setup', 'Column', 'Table', 'Report Setup', and 'Job Scheduler'. The main content area is divided into several sections:

- OVERVIEW:** A summary of the Admin content group's purpose.
- Management Tools:** A grid of icons and links for tasks like 'User', 'Group', 'Group Privileges', 'Column', 'System Options', and 'Reports Setup'.
- MANAGEMENT TOOLS:** A section for populating and managing privileges, including 'Set Group Security', 'Populate Group Privileges', 'Populate User Privileges', 'Copy Group Security', 'Copy Group Privileges', and 'Deploy Reports Tool'.
- RECENT DEPLOYMENTS:** A list of deployment records, with a tooltip showing 'Issues 801, 845' for the 2.0.0 version.

The 'RECENT DEPLOYMENTS' list is highlighted with a red box and contains the following entries:

Version	Date	By	Issues
2.0.1	02/08/2008	nguc	
2.0.0	02/01/2008	nguc	801, 845
1.0.2	01/18/2008	nguc	
1.0.1	01/11/2008	nguc	
1.0.0	01/04/2008	nguc	

# Result

The screenshot displays a web application interface for 'NET:FORUM'. The main content area is titled 'OVERVIEW' and describes the 'Admin' content group. A modal window titled 'Add - AV Deployment Cycle' is open, showing a form with the following fields:

- cycle number:**  Cycle number is Cycle.0.DeploymentCounter
- deployment date:**  [calendar icon]
- notes:**

At the bottom of the form, there is a 'record information' section with 'save mode: Insert' and a user 'nguc'. 'Save' and 'Cancel' buttons are also present.

On the right side of the main interface, there is a 'RECENT DEPLOYMENTS' section with a list of entries:

- 2.0.1 on 02/08/2008 by nguc
- 2.0.0 on 02/01/2008 by nguc
- 1.0.2 on 01/18/2008 by nguc
- 1.0.1 on 01/11/2008 by nguc
- 1.0.0 on 01/04/2008 by nguc

A red circle highlights a '+' button at the top right of the 'RECENT DEPLOYMENTS' list, and a red arrow points from this button towards the 'Add - AV Deployment Cycle' form.

## 5 of 10 – RSS Feed

- Output an RSS feed on a CMS web page

# Requirement

- Ability to display the local weather on the website

# Solution

- Add a new page detail using XslGenerator to pull weather data RSS feed

# Add Website Page Detail

**Edit - Website Page Detail**

**website page:** Summary **detail key:** 170a00a9-0022-4741-8060-6ef8da5e789a

**position:** Content  add the appropriate information in the fields below based on the content type.

**content type:** Control (ASCX)

**form:**  control/content file: ~/controls/XslGenerator.ascx

**wizard:**  destination content:

**content path:**  specify url only for iframe content type

```
{BeginPostUrl}http://xml.weather.yahoo.com/forecastrss?p= 89109{EndPostUrl}
{BeginXsl}<?xml version="1.0" encoding="UTF-8"?>

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

  <xsl:template match="channel">
    <SPAN class="FeedTitle">
    </SPAN>
    <DIV>
      <xsl:apply-templates select="item" />
    </DIV>
  </xsl:template>

  <xsl:template match="item">
<DIV >
  <DIV class="bodyTXT"><b>LOCAL WEATHER</b></DIV>
  <span class="tinyTXT"><xsl:value-of select="title" /></span>
```

← **URL of RSS Feed**

# RSS Feed – Page Detail Content

- {BeginPostUrl}http://xml.weather.yahoo.com/forecastrss?p=89109{EndPostUrl}
- {BeginXsl}<?xml version="1.0" encoding="UTF-8"?>
- <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
- <xsl:template match="channel">
- <SPAN class="FeedTitle">
- </SPAN>
- <DIV>
- <xsl:apply-templates select="item" />
- </DIV>
- </xsl:template>
- <xsl:template match="item">
- <DIV >
- <DIV class="bodyTXT"><b>LOCAL WEATHER</b></DIV>
- <span class="tinyTXT"><xsl:value-of select="title" /></span>
- <DIV class="box01" style="padding:4px;width:260;"><span class="tinyTXT"><xsl:value-of disable-output-escaping="yes" select="description" /></span></DIV>
- <p/>
- </DIV>
- </xsl:template>
- </xsl:stylesheet>
- {EndXsl}



# Result

AVECTRA

## AUDC08

Avecetra Users & Developers Conference

February 24 - 26, 2008

Las Vegas, Nevada



- Home
- Event Information
- Hotel Information
- Registration
- Sponsorship
- Speakers
- Sessions/Tracks
- Awards

### AUDC 2008 AT A GLANCE

» **EVENT REGISTRATION** - Registrants as of 2/16/2008



» **LAST 5 REGISTRANTS:**

- Ms. Sheri Thompson** (Sigma Theta Tau International)
  - Jill Norris** (Designing Events)
  - Michele Larson** (Designing Events)
  - Michelle Issing** (Designing Events)
  - Joan Finn** (American Hospital Association)
- [Who has registered?](#)

» **KNOW YOUR CUSTOMER**

Jay from IS&T prefers [vegetarian](#)

» **MOST REGISTRANTS** - Registrants as of 2/16/2008

American Hospital Association: **10**

**FROM LAS VEGAS**

- Check out the NASCAR Cafe at the Sahara
- What is the Best of Las Vegas?
- Your One Day to be Romantic, Valentine's Day in Las Vegas
- The Status of the Monte Carlo Hotel
- This Week in Las Vegas: The Entertainment and Show Guide
- Dick's Last Resort at the Excalibur Hotel and Casino
- Photo Tour of the Bellagio Hotel Las Vegas
- Cocktail Time in Las Vegas
- Are Your Ready for Cher in Las Vegas?
- The Must See Shows in Las Vegas

**LOCAL WEATHER**

Conditions for Las Vegas, NV at 11:53 am PST



**Current Conditions:**  
Fair, 54 F

**Forecast:**  
Sat - Sunny, High: 65 Low: 41  
Sun - Sunny, High: 68 Low: 41  
Mon - Mostly Sunny, High: 68 Low: 45  
Tue - Mostly Sunny, High: 71 Low: 47  
Wed - Partly Cloudy, High: 65 Low: 44

Full Forecast at [Yahoo! Weather](#)  
(provided by The Weather Channel)

## 6 of 10 - JavaScript

- Utilizing JavaScript (instead of form extensions) to **set the value** of a control

# Requirement

- When adding a new batch, the system should automatically default the Batch Name using values from other form controls. The Batch Name should be defaulted to:
  - Logged-in user's name
  - Batch date (date field, should be reformatted as yyyyymmdd)
  - Business Unit (dropdownlist, its value is a GUID)
  - Period (dropdownlist, its value is a GUID)

# Solution

- JavaScript will be used to default the Batch Name:
  - JavaScript will be added to each control that should set the batch name and linked to controls' event so the batch name is set as the controls are updated
  - **URL/Image Path/Data** field of the controls' will be used to add OnBlur JavaScript event

# Form Designer

Copy From Form:  Background Style:

Controls: Page:  Width:  Height:

Change Reason:

---

**Batch Information**

**business unit:**

**fiscal year:**  **batch date:**  **period:**

**batch name:**

**security group:**

	batch:	control:	date	by user
<b>total amount:</b>	<input type="text" value="batch total"/>	<input type="text" value="control total am"/>	closed: <input type="text" value="close date:"/>	<input type="text" value="close user:"/>
<b>total count:</b>	<input type="text" value="[text_2]"/>	<input type="text" value="control total cou"/>	posted: <input type="text" value="posted date:"/>	<input type="text" value="posted by:"/>

default payment method:

notes/comment:

---

Control to Add:   Control ID:

**Properties** **Advanced**

Control Class:

Control Style:

Tool Tip:

Read Only?  Control:  Operator:  Value:

Required?  Control:  Operator:  Value:

Invisible?  Control:  Operator:  Value:

Auto Postback?

Default Value:

URL/Image Path/Data:

# JavaScript

```
onblur[
```

```
var aDt = document.getElementById('bat_date').value.toString().split('/');
```

```
this.form.bat_code.value = '{CurrentUserName}-'
```

```
  + aDt[2]
```

```
  + ((aDt[0].length < 2) ? '0' : '') + aDt[0]
```

```
  + ((aDt[1].length < 2) ? '0' : '') + aDt[1] + '-'
```

```
  + this.form.bat_atc_key.options[this.form.bat_atc_key.selectedIndex].text+'-'
```

```
  + this.form.bat_arp_key.options[this.form.bat_arp_key.selectedIndex].text;
```

```
]
```

# Result

NET:FORUM [av-train2.netforumaudc08, 2007.1.0.5463] welcome **nguc** preferences roles   

**Accounting** Overview | **Batch** | Invoice | Payment | Credit | Return | Refund | Write Off | Misc Transactions | Order | Lockbox

RECENT CONTACTS  
FAVORITES  
ACTIONS

**Batch Information**

**business unit:**

**fiscal year:**  **batch date:**  **period:**

**batch name:**

**security group:**

	batch:	control:	date	by user
<b>total amount:</b>	<input type="text"/>	<input type="text" value="\$0.00"/>	closed: <input type="text"/>	<input type="text"/>
<b>total count:</b>	<input type="text"/>	<input type="text" value="0"/>	posted: <input type="text"/>	<input type="text"/>

**default payment method:**

**notes/comment:**

**record information** save mode: Insert  insert after save  keep values

nguc



# Alternative Solutions

- Form Extension on Initialize + Controls to cause AutoPostBack
- Others?

## 7 of 10 – XslGenerator

- Adding a control (**XslGenerator**) whose values are **populated with a SQL statement or a Web Service**

# Requirement

- Ability to display recent events, individuals' organization and local weather

# Solution

- Two new profile details using XslGenerator.ascx will be added to a profile form to display the recent events and the weather feed
- A new form extension using XslGenerator.ascx will be added to the individual demographics page to display individual's organizations

# XslGenerator Setup

Edit - Dynamic Profile Detail - Windows Internet Explorer

**Edit - Dynamic Profile Detail**

Profile Detail

**Primary**

key: fc240faf-98f6-482d-8b9e-b1e0b52fb9df

form: Toolkit Overview (NF2)

content form: Toolkit Overview (NF2)

content type: Web Control (.ascx)

child form:

tab:

content path: /controls/

content file name: XslGenerator.ascx

**Layout Coordinates**

layout row/column: 3 2

rowspan/colspan: 1 1

frame width/height: 300 0

ADVANCED

**Xml Source**

```
{BeginXml}
execute dbo.av_EventCalendar_ws
{EndXml}
```

**Xsl Source**

```
{BeginXsl}
<?xml version="1.0" encoding="UTF-8" ?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="Events">
    <DIV>
      <xsl:apply-templates select="Event" />
    </DIV>
  </xsl:template>
  <xsl:template match="Event">
```

Done Local intranet 100%

**Yahoo! Weather - Sunnyvale, CA**

- Conditions for Sunnyvale, CA at 8:14 am PST - Tue, 19 Feb 2008 8:14 am PST

[Washington State 2008 Summit](#)  
[2006 ASTC Annual Technology Conference](#)  
[2007 ASTC Annual Technology Conference Partnership Conference](#)  
[2008 ASTC Annual Technology Conference](#)

# XslGenerator Form Extension

- Form Extension metadata
- Parameter points to Profile Detail

**Edit - Dynamic Form Extension**

Form Extension

object (all forms):

form:

description:

order:

control class:  css class:

control id:

control text:

control tool tip:

---

**.net Assembly And Typename**

object assembly:  example: ABCExtension

object typename:

---

**Form Extension Events Method And Parameter**

initialize method/parameters:

load method/parameters:

# XslGenerator Form Extension

deceased?

[American Express](#)  
[Avecra](#)  
[Avecra](#)

**Edit - Dynamic Profile Detail**

Profile Detail

**Primary**

key: 521971d3-6bbd-46ee-8e20-0b9aa9bb1dd4

form: AV - Designed Form Menus

content form: AV - Designed Form Menus

content type: Web Control (.ascx)

child form:

tab:

content path: /controls/

content file name: XslGenerator.ascx

**Layout Coordinates**

layout row/column: 1 2

rowspan/colspan: 1 1

frame width/height: 0 0

ADVANCED

```
{BeginXml}
select org_cst_key, org_name
from dbo.co_organization (nolock)
JOIN dbo.co_individual_x_organization (nolock)
ON ixo_org_cst_key = org_cst_key
where ixo_ind_cst_key = {ind_cst_key}
for xml path('Org'), root ('Orgs')
{EndXml}
```

**SQL Command for XML**

```
{BeginParameters}
<Parameter>
<Name>ind_cst_key</Name>
<Value>{ind_cst_key}</Value>
</Parameter>
{EndParameters}
```

**Parameters to pass to**

```
{BeginXsl}
<?xml version="1.0" encoding="UTF-8" ?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
  <xsl:template match="Orgs">
    <DIV>
      <xsl:apply-templates select="Org" />
    </DIV>
  </xsl:template>
  <xsl:template match="Org">
```

**Xsl**



# Result

## Griff Harrison, JD, MD, CPA

### Demographics

full name: Griff Harrison, JD, MD, CPA deceased?

nick/badge name:

gender:

date of birth:  28 years old

ssn:

graduation date:

license number:

annual salary:

political party:

marital status:

ethnicity:

date entered practice:

last email date:

[American Express](#)  
[Avectra](#)  
[Avectra](#)

Super Search | CSS Files

**RECENTLY MODIFIED FORMS**

- Overview (NF2)... - nguc
- ployment Cycle... - nguc
- ization Affiliation... - nguc
- esignated Form Menus... - dhopkins
- ustomer Designation... - dhopkins

**RECENTLY ACCESSED FORMS**

- ual Demographics... - dhopkins
- Overview (NF2)... - dhopkins
- Overview (NF2)... - nguc
- ployment Cycle... - nguc
- Client... - av\_JChapman

## Yahoo! Weather - Sunnyvale, CA

- [Conditions for Sunnyvale, CA at 8:14 am PST](#) - Tue, 19 Feb 2008 8:14 am PST



**Current Conditions:**  
 Cloudy, 50 F

**Forecast:**  
 Tue - Showers. High: 56 Low: 46  
 Wed - Showers. High: 61 Low: 46

[Full Forecast at Yahoo! Weather](#)  
 (provided by The Weather Channel)

[Washington State 2008 Summit](#)  
[2006 ASTC Annual Technology Conference](#)  
[2007 ASTC Annual Technology Conference](#)  
[Partnership Conference](#)  
[2008 ASTC Annual Technology Conference](#)

# XslGenerator in iWeb

- Nearly identical to CMS XslGenerator
- Get XML data source from SQL or from Web Service
- Transform through Extensible Stylesheet Language (XSL)
- May use as Control on Profile/Overview, or as Form Extension on Form
- Available in 2007.01.02
- See [wiki](#) for more

## 8 of 10 – Table Joins

- Adding an **existing table** as a table join
- Creating a **SQL View** and adding this as a table join

# Requirement

- Ability to query on individuals by:
  - invoice number
  - batch that they have an invoice in

# Solution

- A new SQL View will be created (that pulls individuals, their invoices, and batches that the invoices are in)
- SQL View will be added to md\_table
- A new table join will be created between co\_individual and the SQL view

# Create SQL View

- Create SQL View
- Grant SELECT Permissions

```
CREATE VIEW [dbo].[vw_client_av_customer_invoices_by_batch]
AS
SELECT
    inv_cst_key as v01_ind_cst_key,
    inv_key as v01_inv_key,
    bat_code as v01_bat_code
FROM
    ac_invoice (nolock)
    join ac_batch (nolock)
        on inv_bat_key=bat_key
    join co_customer (nolock)
        on inv_cst_key = cst_key
WHERE
    exists(select * from ac_invoice_detail (nolock) where ivd_inv_key=inv_key and ivd_void_flag=0 and ivd_delete_flag=0 and ivd_ajd_key is null)
    AND bat_close_flag = 0
go

GRANT SELECT ON [dbo].[vw_client_av_customer_invoices_by_batch] TO netForumUser,netForumAdmin,AvecetraAdmin, netForumReport
go
```

# Add View to md\_table

The screenshot shows the 'Add - Table' form in the NET:FORUM application. The browser address bar shows 'NET:FORUM [av-train2.netforumaudc08, 2007.1.0.5463]'. The user is logged in as 'welcome nguc'. The navigation menu includes 'Admin', 'Overview', 'User', 'Group', 'Group Privileges', 'Department', 'Role Setup', 'Column', 'Table', 'Report Setup', and 'Job Scheduler'. The form fields are as follows:

- table name:** vw\_client\_av\_customer\_invoices\_by\_batch
- table description:** Customer Invoices
- table prefix:** v01
- key column name:** v01\_ind\_cst\_key
- e-mail column name:** (empty)
- fax column name:** (empty)
- customer key xref column:** (empty)
- ignore entities?**
- pref comm meth column:** (empty)
- log sql:**

At the bottom, there is a 'record information' section with 'save mode: Insert', 'insert after save' , and 'keep values' . The user 'nguc' is listed, and 'Save' and 'Cancel' buttons are present.



# Populate meta data

```
exec dbo.md_column_populate          I  
go  
exec dbo.fw_group_table_column_privilege_populate  
go  
exec dbo.md_privilege_populate_by_table_quick 'vw_client_av_customer_invoices_by_batch'  
go
```

# Populate Column Descriptions in md\_column

The screenshot shows the netFORUM Admin interface. The main window is titled "Edit - Table" and displays information for the table "vw\_client\_av\_customer\_invoices\_by\_batch". A secondary window, "Edit - Column", is overlaid on top, showing details for the column "v01\_ind\_cst\_key".

In the "Edit - Column" window, the "column description" field is highlighted with a red circle and contains the text "Individual Primary Key". A red arrow points from this field to the "Description" column in the table's column list in the "Edit - Table" window.

The "Edit - Column" window also shows the following information:

- Column name: v01\_ind\_cst\_key
- table name: vw\_client\_av\_customer\_invoices\_by\_batch
- actual table name: vw\_client\_av\_customer\_invoices\_by\_batch
- column description: Individual Primary Key
- data type: GUID
- display width: 16
- maximum length: 16
- order: 100

The "Edit - Table" window shows a table with the following columns:

Column	Description	Data Type	Width/Max	Order
v01_ind_cst_key	av_key	av_key	16 / 16	100
v01_inv_key	av_key	av_key	16 / 16	200
v01_bat_code	nvarchar	nvarchar	60 / 60	300

# Currently

- Cannot query individuals on invoice code, or batch:

NET:FORUM [av-train2.netforumaud:08, 2007.1.0.5463] welcome nguc | preferences | roles

CRM Overview | Individuals | Organizations | Assignments | Requests | Order Entry | Payments | Home

Query - Individual

Load an Existing Query:

Query Conditions | Query Columns | Query Order

Limit Number of Results Returned:

Column to Query	Operator	Value	<input type="checkbox"/> Ask At Run-Time?
Individual::Primary Key	Is Equal To	<input type="text"/>	<input type="checkbox"/>
Individual::Full Name			
Individual::Salutation			
Individual::Extender Key			
Individual::social security number			
Individual::Spouse's Name			
Individual::annual salary			
Individual::age			
Individual::ethnicity			
Individual::badge name			
Individual::license number			
Individual::date first entered field			
Individual::number of years in field			
Individual::Graduation Date			
Individual::political party			
Individual::deceased			
Individual::Individual Type			
Individual::Primary Relationship			
Individual::Marital Status			
Individual::Add Date			
Individual::Add User			
Individual::Entity Key			
Individual::cst passcode ext			
Individual::Change Date			
Individual::Change User			
Individual::sample multi			
Individual::Maiden Name			
Individual::Delete Flag			
Individual::Popup			
Customer::Customer Key			
Customer::Customer Type			

Distinct?

# Add Table Join

**list Table Definition - co\_individual**

table name: co\_individual  
select distinct? Yes

List Tables, List From Tables, and List From Columns define the database tables and columns that are displayed in results of searches, lists, lookups, queries, and certain eWeb searches.  
 Additionally, list from tables define the tables that are available in queries. To make more tables available in a query, add them as From tables to that query's primary list table

Primary More»

Table Name	Alias	Order	Join	Join Expression
co_individual		5		
co_customer		10	Join	
co_customer_x_address		20	Left Join	
co_address_type		25	Left Join	
co_address		30	Left Join	
co_individual_x_organization		35	Left Join	
co_organization		37	Left Join	
co_demographic_value	Demographics	40	Left Join	
mb_membership	Membership	50	Left Join	
mb_member_type		52	Left Join	

list columns that will appear in list results

Adjust column header order from left to right. List columns appear in a List Column with Order less than 0 if you need that column.

Column Name	Column Alias
ind_first_name	First
ind_last_name	Last
cst_org_name_dn	Organization
cst_email_address_dn	E-mail
adr_line1	Address
adr_city_state_code	
cst_no_email_flag	

objects using this list table

default sort order of object will be used as default order on this object

Object	Default Sort Order
capwizprofile	ind_last_name,ind_first_name
cpw	ind_delete_flag
Dynamic Individual	ind_pager,ind_gender
Individual	ind_last_name,ind_first_name
Individual Lookup	ind_last_name

**Add - List From**

list table: co\_individual

from table name: vw\_client\_av\_customer\_invoices\_by\_batch

from order: 15

Join Type and Expression

If you specify a join type then you must enter the join expression in the following format: abc\_xyz\_key=xyz\_key where abc\_xyz\_key is the foreign key of the from table you are creating and xyz\_key is the primary key of table (typically the list table) to which your foreign key column joins. You may also add more filters in your join expression if necessary.

Specify join type of join if you are joining to a row that will always exist in the joined table. Specify left join if there might not be a row in the joined table.

If you have a series of from tables that have sequential joins (for example, TableA joins to TableB which joins to TableC, etc.), then be sure to set the order of the from tables in that same order so that the SQL JOINS will fire in the right order.

join type: Left Join

join expression: ind\_cst\_key = v01\_ind\_cst\_key

From Table Alias

Specify the from table alias only if you are joining to the same table twice in your list table. When you have two or more from tables pointing to the same from table and you are using from table aliases then you must add that alias to your join expression. For example, if you have two joins to co\_customer and you have given them alias names of BillingCustomer and ShippingCustomer then your join expressions will resemble something like this, respectively:

zzz\_billing\_cst\_key = BillingCustomer.cst\_key

and

zzz\_shipping\_cst\_key = ShippingCustomer.cst\_key

The from table alias must be one word without spaces. The value you enter will appear on the column header of list results, so make the value be meaningful. For example, do not make the values evt1 and evt2; instead make them meaningful such as MainEvent and RelatedEvent, as appropriate.

from table alias:

record information save mode: Insert

nguc

Save Cancel

# Result

NET:FORUM [av-train2.netforumaudc08, 2007.1.0.5463] welcome nguc | preferences | roles

CRM Overview | Individuals | Organizations | Assignments | Requests | Order Entry | Payments | Home

### Query - Individual

Load an Existing Query:

Query Conditions | Query Columns | Query Order

Limit Number of Results Returned:

Column to Query	Operator	Value	<input type="checkbox"/> Ask At Run-Time?
Customer Invoices::Invoice Code	Is Equal To	<input type="text"/>	<input checked="" type="checkbox"/> Distinct?

Customer Invoices::Invoice Code

Customer Invoices::Individual Primary Key

Customer Invoices::Invoice Primary Key

Customer Invoices::Batch Name

Customer Invoices::Invoice Code

Customer Address::Customer Key

Customer Address::Address Key

Customer Address::Add Date

Customer Address::Add User

Customer Address::Change Date

Customer Address::Change User

Customer Address::Delete Flag

Customer Address::Unique Key

Customer Address::Extender Key

Customer Address::Address On Hold Flag

Customer Address::On Hold Type Key

Customer Address::Address Type

Customer Address::Seasonal From Date

Customer Address::Seasonal Through Date

Customer Address::Mailing Label

Customer Address::Mailing Label HTML

Customer Address::Mailstop

Customer Address::Hold From

Customer Address::Entity Key

Customer Address::On Hold Until Date

# 9 of 10 – Designed Form Menus

- Adding a popup page to display additional information on a profile page

# Requirement

- Ability to see detailed information about an individual upon mouseover/click on “custom info” link



# Solution

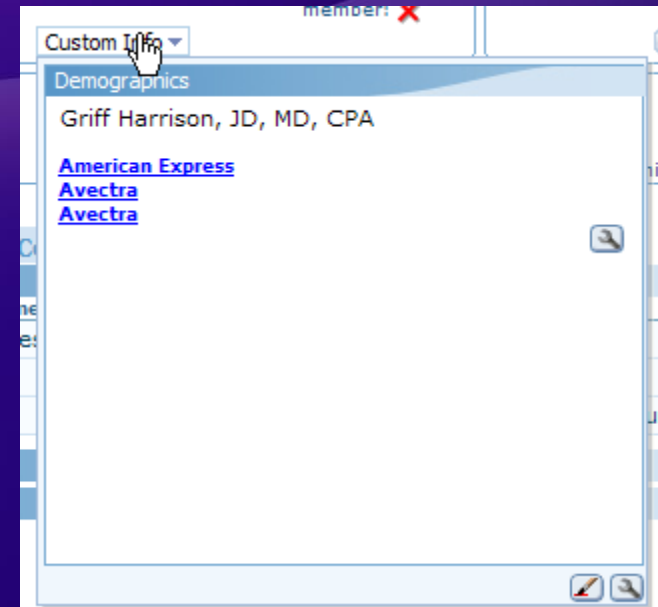
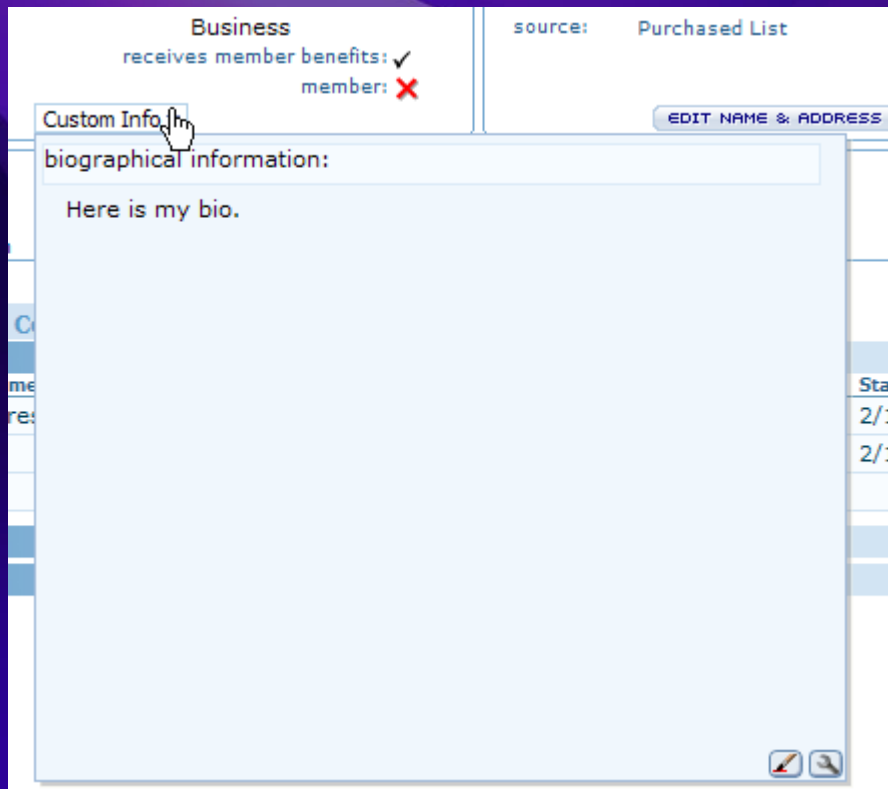
- Design a Form for use as popup form
- Design the Form from which you want the popup to launch popup
- Add “hyperlink” control with special tags:

```
URL[javascript:void(0);] MENU[form] TYPE[div]  
FORMKEY [c9389101-bb99-47a3-905a-f904db8e38e4]  
DIRECTION[RB]
```

Also: 633733da-f86b-4889-a55c-7e4d0ee45df0

# Result

- Popup forms that show more information



# 10 of 10 – Content Item Links

- Adding a **content item link** that launches a list page for an **existing query**

# Requirement

- Ability to quickly navigate to a list of members joined within this month

# Solution

- A new netFORUM Query will be created to pull members joined in the current month
- A new **Content Item Link** will be added that references the new **Query**

# Create a New Query

NET!FORUM [av-train2.netforumaudc08, 2007.1.0.5463] welcome nguc | preferences | roles

Membership Overview | Associations | Chapters | **Members** | Dues Products

### Query - Membership

Load an Existing Query: AV Members Joined This Month [DELETE] [CLEAR]

**Query Conditions** | Query Columns | Query Order

Column to Query	Operator	Value
Membership::Primary Key	Is In	<pre>select mbr_key from mb_membership where datepart(m, mbr_join_date) = datepart(m, getdate()) AND datepart(y, mbr_join_date) = datepart(y, getdate())</pre> <p>Sub-Query Builder</p>

[OK] [Cancel] [Create SQL]

**Query Where**

Order	Column
1	[Membership::Primary Key] Is In [select mbr_key from mb_membership where datepart(m, mbr_join_date ...

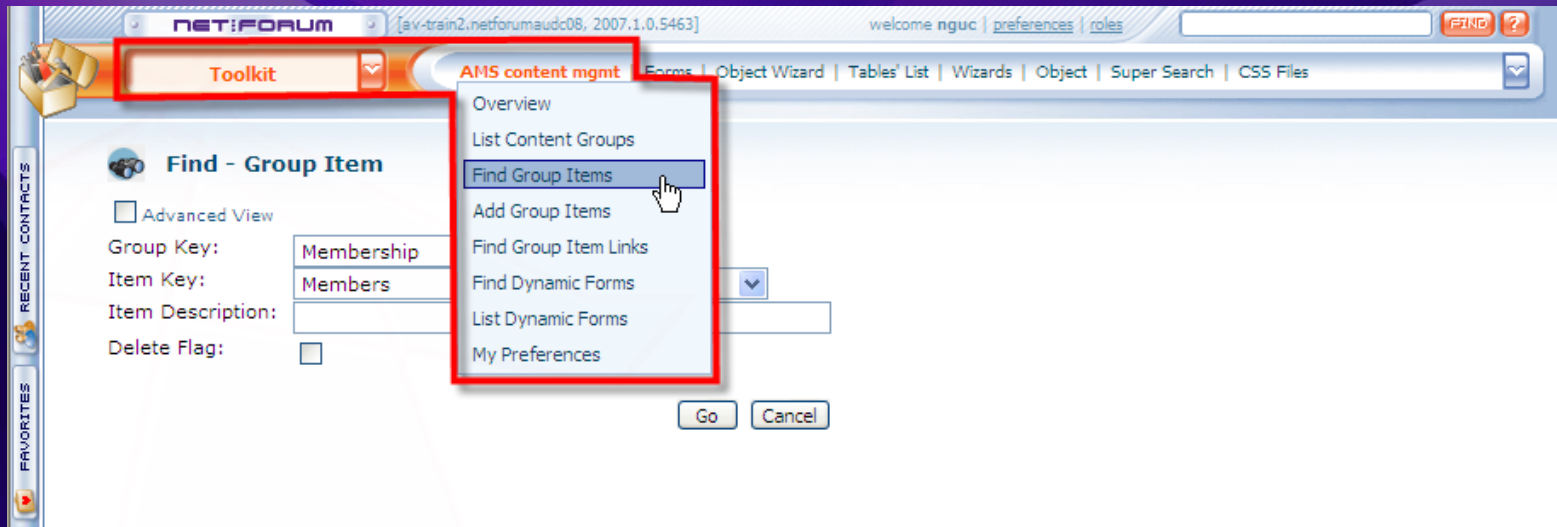
Query Name: AV Members Joined This Month

Group List: [ ] [Deny Selected Group]

[Update Query] [Save As New Query] [Run Query]

# Content Item Link

- Search for Content Item:





# Content Item Link

- Add Link for the Content Item:

The screenshot shows the 'Edit - Group Item' window for the 'Membership' group. The 'item code' is 'Members' and the 'item order' is '40'. Below this is a table of 'group item links'. A red arrow points to the '+' button in the table's toolbar, which is used to add a new link. An 'Add - Group Item Link' dialog box is open, showing the configuration for a new link. The dialog box has the following fields:

- group key: Membership
- item key: Members
- link text: List Members Joined This Month
- link path: /forms
- link file: DynamicList.aspx
- link parameters: ?QueryKey=7be90d1f-f742-478e-be49-bea5a0c1b547
- link description: List Members Joined This Month
- open in new window?
- link order: 25
- dynamic form: Membership Detail
- report: [dropdown]
- wizard: [dropdown]
- exclude from top bar?
- list add icon?

The table below is a summary of the existing links:

Text	Path	File	Parameter	Description	Form	Order	is display
Find Members	/forms	DynamicSearch.aspx		Membership Detail	Membership Detail	10	0
Membership Cards National		ReportStart.aspx				10	0
Membership Letter Card	/reports	ReportStart.aspx		Membership Letter Card		10	0
List Members	/forms	DynamicList.aspx		List	Membership Detail	20	0
Membership Cards Chapter		ReportStart.aspx				20	0
Add Chapter Membership	/forms	DynamicEdit.aspx	? Action=Add	Add Chapter Membership	Chapter Membership	30	0
Add Membership	/forms	DynamicEdit.aspx	? Action=Add	Add (new)	Membership (new)	30	0
Run Query	/forms	DynamicQuery.aspx		Run Query	Membership Detail	40	0
Query Central	/forms	QueryCentral.aspx		Query Central	Membership Detail	41	0
Membership Letter w/Card	/reports	ReportStart.aspx		Membership Letter w/Card		100	0

# Result

The screenshot shows the NET:FORUM web application interface. The browser address bar displays [av-train2.netforumaudc08, 2007.1.0.5463]. The application header includes a search bar with the text 'welcome nguc' and links for 'preferences' and 'roles'. A navigation menu at the top contains 'Membership', 'Overview', 'Associations', 'Chapters', 'Members', and 'Dues Products'. The 'Membership' tab is active and highlighted with a red box. Below the navigation, a context menu is open, listing several actions: 'Find Members', 'List Members', 'List Members Joined This Month' (highlighted with a blue selection bar and a mouse cursor), 'Add Chapter Membership', 'Add Membership', 'Run Query', and 'Query Central'. The main content area displays a table titled 'List - AV Members Joined This Month' with 3 records. The table has columns for 'Association', 'Customer Type', 'Name (Calculated)', 'Member Status', and 'Join Date'. The data rows are as follows:

Association	Customer Type	Name (Calculated)	Member Status	Join Date
ASTC	Individual	Linda Chen	Active	2/19/2008
ASTC	Individual	Patrick Dorsey	Active	2/19/2008
ASTC	Individual	Nilufer Guc	Active	2/19/2008

# Conclusion

- Fast
- Easy
- Possibilities are available
- A dozen samples just to give you vision

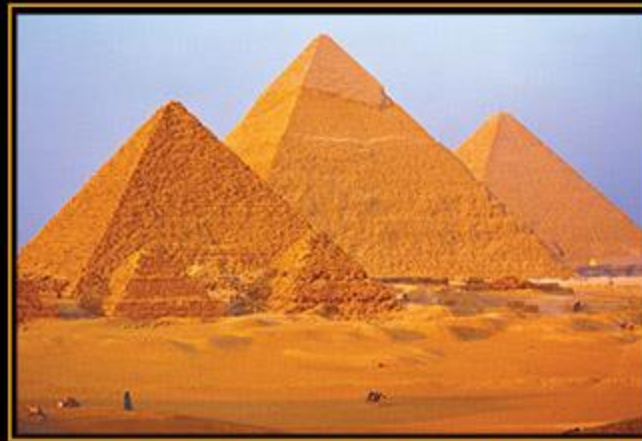
# Questions



# Thank You

## ACHIEVEMENT

You can do anything you set your mind to when you have **vision, determination** and an endless supply of **expendable labor** 😊



## ACHIEVEMENT

YOU CAN DO ANYTHING YOU SET YOUR MIND TO WHEN YOU HAVE VISION,  
DETERMINATION, AND AN ENDLESS SUPPLY OF EXPENDABLE LABOR.

[www.despair.com](http://www.despair.com)