

# BiToolkits v2.1 Enhancement Highlights

## Web Subscription Cloning tool

Due to popular request, BiToolkits v2.1 Open Beta now includes a **Web Subscription Cloning** tool. This tool enables you to create hundreds of Web Subscriptions with a click of a button. If you need to convert many NCS Subscriptions to Web Subscriptions, this tool will save you days of work.

Web Subscriptions can be cloned across MicroStrategy environments. For example, you can create and test web subscription in a Development environment and then use it as a template for creating web subscriptions in Production environment.

**Web Subscription Cloning** is safe and secure. It uses Command Manager to write to MicroStrategy. User accessing MicroStrategy through Command Manager scripts are under the same security governing defined in MicroStrategy user account setup.

The cloning tool supports the following subscription types: Email, File, History List, Mobile, Cache Update, and Print. It cannot clone FTP subscriptions due to limitations in Command Manager.

The cloning tool supports parameter substitution. The tool automatically parses out the report name, subscription owner, subscriber, email subject line, email body text, and file name when converting a master Web Subscription to a cloning template. It then parameterizes the cloning template to be used in a highly customizable Web Subscription scripting engine.

Subscribers are cloned along with the Web Subscriptions. The cloned Web Subscriptions will have the exact same number of subscribers as in the cloning template.

## Duplicate Name Search tool

When you search for objects in MicroStrategy, do you have difficulties picking the right ones from the search list due to duplicate names? The **Duplicate Name Search** tool helps you identify objects with the same names and enables you to rename thousands objects in one batch (see **Rename Objects** tool below). This tool offers many options to search for duplicate names, such as search by object types, object names, create/modify dates, etc.

## Rename Objects tool

Complementing the **Duplicate Name Search** tool, the **Rename Objects** tool provides comprehensive options to rename thousands of objects with ease. You can change object names with Add Prefix, Add Suffix, and Find/Replace functions. Dynamic prefixes/suffixes such as object type, object owner, and

object creation date/time can be added to object names. Object names can also be changed using Regular Expressions in the Find/Replace function. Once you are done with manipulating object names in **BiToolkits**, simply click a button to apply the name changes in MicroStrategy (via Command Manager).

### **Merge Batches tool**

The **Merge Batches** tool enables you to merge **Bitoolkits** batches using set operations (Union, Intersect, and Difference). The possibilities are endless with this tool. For example, if you need to perform complex change impact analysis such as searching for objects that use object A and object B or object C but not object D, you first run **Dependents** search on objects A, B, C, and D. Then, use the set operations to merge search results (Intersect A and B, Union C, Difference D).

### **Access Rights audit tool**

This **Access Rights** audit tool enables you to verify whether a user/group has specific permissions on selected objects (and components). This tool is also used to find access violations on subscriptions in Distribution Services and Narrowcast Services. You can search for report recipients who don't have View permission to reports (and report components). With a click of a button, you can fix these issues by granting user/group appropriate permissions (via Command Manager).

### **Distribution Services Search tool**

The **Distribution Services Search** tool enables you to search report subscriptions by subscription name, owner, recipient, report, schedule, delivery type, subscription create/modify dates, etc. As mentioned in **Access Rights** audit tool, you can search for report recipients who don't have View permission to reports (and report components).

### **Narrowcast Services Search tool**

The **Narrowcast Services Search** tool enables you to search NCS subscriptions by service name, subscription set name, recipient, report, schedule, attachment type, service create/modify dates, etc. Additional search capabilities include searching for report recipients who don't have View permission to reports (and report components) and searching for duplicate subscriptions.

# BiToolkits v2.1 Enhancement List

## General Enhancements

1. Added color coding for visual enhancement
  - a. Added color highlight on source objects in *Dependents/Components tools* (Green for objects found, Red for no objects found)
  - b. Added color code in *Compare Objects* tool (Red for Unmatched, Orange for Missing, Yellow for Partial Match).
2. Enhanced Batch Manipulation tools
  - a. Enhanced Batch Handle composition to include Task ID. This enhancement allows you to group batches used in a task.
  - b. Enhanced Batch Handle composition to include lineage information so you can easily trace the source of a batch.
  - c. Added functions to combine multiple batches using set operations: Union, Intersect, and Difference.
  - d. Enhanced *Delete Batches tool* to use wildcards to select Batch Handles for deletion.

## Object Finder Tool Enhancements

1. Enhanced *Object Search tool* with options to search reports by runtime.
2. Enhanced *Search by User tool* with option to search **MicroStrategy accounts** by user name, description, status, create date, and last update date.
3. Added *Duplicate Name Search tool* to search objects that have same names.
4. Added *Distribution Services Search tool* to search report by subscription name, owner, recipient, report, schedule, delivery type, subscription create/modify dates, etc. You can search for report recipients who don't have View permission to reports (and report components).
5. Added *Narrowcast Services Search tool* to search NCS subscriptions by service name, subscription set name, recipient, report, schedule, attachment type, service create/modify dates, etc. Additional search capabilities include search for report recipients who don't have View permission to reports (and report components) and search for duplicate subscriptions.

## Change Impact Analysis Tool Enhancements

1. Enhanced *Dependents/Components search tools* to include object hierarchy level in the search result set. A new display option is added to allow you to sort search results by hierarchy level.
2. Enhanced *Delete Objects tool* to delete objects in hierarchy sequence (no more dependency conflicts).

3. Enhanced Dependents/Components search algorithm to include internal objects, such as objects in Freeform SQL reports and Visual Insight cubes (these objects are not searchable in MicroStrategy Developer).
4. Enhanced the *Components search tool* with the following options to control the granularity of the search result set.
  - Minimum Details – Components search result includes common objects such as Reports, Attributes, Filters, Metrics, etc. and excludes uncommonly used objects such as Tables, Columns, MicroStrategy Functions, etc.
  - Medium Details – Components search result includes more details such as Tables and Columns but excludes lesser used objects such as MicroStrategy Functions, etc.
  - Maximum Details – Components search result includes all details.
5. Added report *Usage tool* to augment the *Last Use tool*. The *Usage tool* returns report execution information including who runs the report, the number of times it was run, and the dates it was run.
6. Added *Export Component Counts tool* to count the number of components on selected objects. This tool is useful for project size estimation.
7. Enhanced *Access Rights audit tool* to show object permissions on selected user/group.
8. Enhanced *Change Access Rights tool* with following options:
  - Clean Start – remove all access rights on selected objects
  - Clean Up – remove user explicit access rights on selected objects (leave group permissions)
  - Propagate changes to all subfolders
  - Option to add access rights or replace access rights on selected objects
  - Allow to change access rights on User Group
9. Added *Rename Objects tool* enables you to rename thousands of objects with ease.