

Summary

What is BiToolkits?

BiToolkits is a batch oriented productivity tool designed for the MicroStrategy B.I. platform. It eliminates many of the time-consuming, repetitive tasks associated with MicroStrategy development, administration and QA activities to deliver productivity and quality gains.

Who can benefit from BiToolkits?

Report Developers

BiToolkits enables report developers to collect, organize and analyze information related to MicroStrategy objects. Below is a partial list of functions available to report developers:

- Perform in-depth change impact analysis
- Identify active/inactive objects and delete obsolete objects
- Find/delete duplicate objects
- Find/rename duplicate object names
- Search objects/subscriptions based on various properties that are not available in the MicroStrategy's Search dialog box

Administrators

BiToolkits delivers powerful features to automate repetitive and tedious tasks. Administrators can automate the following tasks:

- Audit/correct permissions on all objects in a project
- Change ownership on thousands of objects
- Reorganize folder structures and move objects around
- Create web subscriptions for hundreds of reports
- Copy web subscriptions across projects/environments
- Maintain (add/Remove/Sync) hundreds of subscribers in thousands of subscriptions
- Change subscription schedules, rename subscriptions, change ownerships, etc.

QA Analysts

BiToolkits helps QA Analysts uncover side effects and validate changes. The following functions are available to help QA Analysts:

- Compare objects (and all their components) across projects/environments
- Select impacted reports and feed into Integrity Manager for report data comparison (pre/post migration or for comparison across projects/environments)

Technology Highlights

Object Finder

The *Object Finder* tool offers advanced features to help you search objects/subscriptions based on various properties that are not available in the MicroStrategy's Search dialog box. Below is a partial list of its search capabilities:

- Search by all object types/sub-types/extended types, including table, column, FFSQL report, etc.
- Search objects that use specific functions, such as objects use ApplySimple, "*" operator, etc.
- Search objects with explicit permissions (such as View) assigned to selected users/groups
- Search duplicate object names
- Search web subscriptions whose subscribers don't have permission to run reports
- Search duplicate web subscriptions
- Search web subscriptions by recipient, schedule, device, active/inactive status, etc.
- Search NCS subscriptions by recipient, schedule, device, active/inactive status, etc.

Recursive Search Engine

In the heart of BiToolkits is a powerful recursive search engine which returns accurate results on all object types. Note MicroStrategy Object Manager's recursive search function does not work well on schema objects (see <https://youtu.be/yjq-MsUOCYM>). The tasks below utilize the recursive search engine:

- Change Impact Analysis
- Obsolete Object Cleanup
- Duplicate Object Cleanup
- Object Permission Cleanup
- Object Comparison

Enterprise Manager Integration

The *Last Use* tool gathers report usage information from Enterprise Manager to help you identify/cleanup obsolete objects. It goes a step further by utilizing the recursive search engine to include non-report objects (attributes/filters/metrics/etc.) usage information such as **when** it was last used, **where** it was last used, and **who** last used it.

Web Subscription Automation

Web subscription automation eliminates the tedious manual labor of maintaining large set of report subscriptions. Please click links below for more details:

- Subscriber Maintenance Automation: https://youtu.be/QkJzzLgK_qA
- Subscription Cloning: <https://youtu.be/0CXR67BR4vY>