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**ATG Administration**

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# Agenda

- ATG Administration through Admin Control Center (ACC)
- ATG Administration through Dynamo Administration UI (Dyn Admin)
- ATG Administration through Business Control Center (BCC)

# Learning Objectives

At the end of this lesson you should be able to:

- Navigate the ACC and Dynamo Administration.
- Search for a nucleus component in ACC, inspect and change its properties.
- View and Edit Scenarios, view Targeters, pipelines and user's profile.
- Browse for a component in Dynamo Administration, view and edit its properties and list and execute its methods.
- Launch and execute a JDBC Query in a JDBC browser within Dynamo Administration.

# Section 1:

## ATG Administration through the Admin Control Center



# ATG Admin Control Center (ACC)

- ACC is a standalone client that can be run locally to:
  - Administer all aspects of ATG,
  - View and edit components,
  - Edit Scenarios.
- ACC or ATG Admin Control Center is primarily used to:
  - Create, modify scenarios,
  - View nucleus components,
  - Perform other actions.

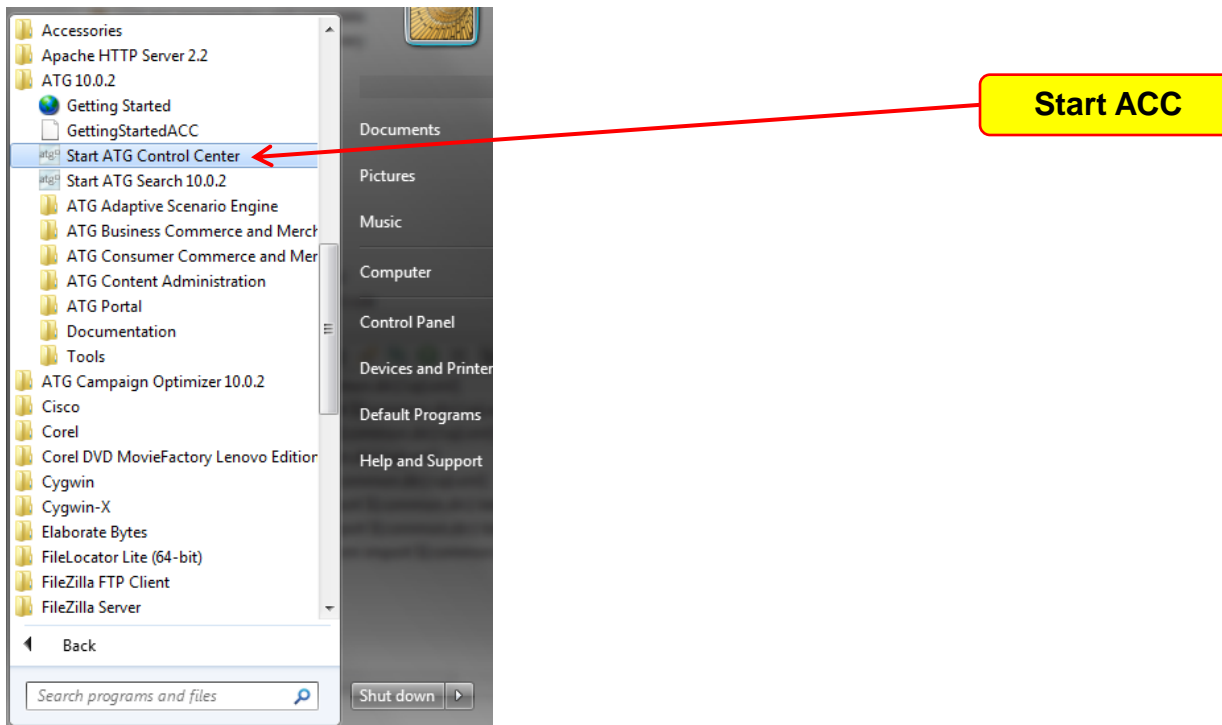


# ATG Admin Control Center (Continued)

- ACC should be used by an administrator for troubleshooting a production site or during development. It is recommended to use Business Control Center (BCC) to perform all other actions for all other users in a production environment.
- To use ACC your application server must include the following:
  - DAS-UI module,
  - Have rmiEnabled in the Configuration component,
  - Have adminPort property set in the Configuration component.

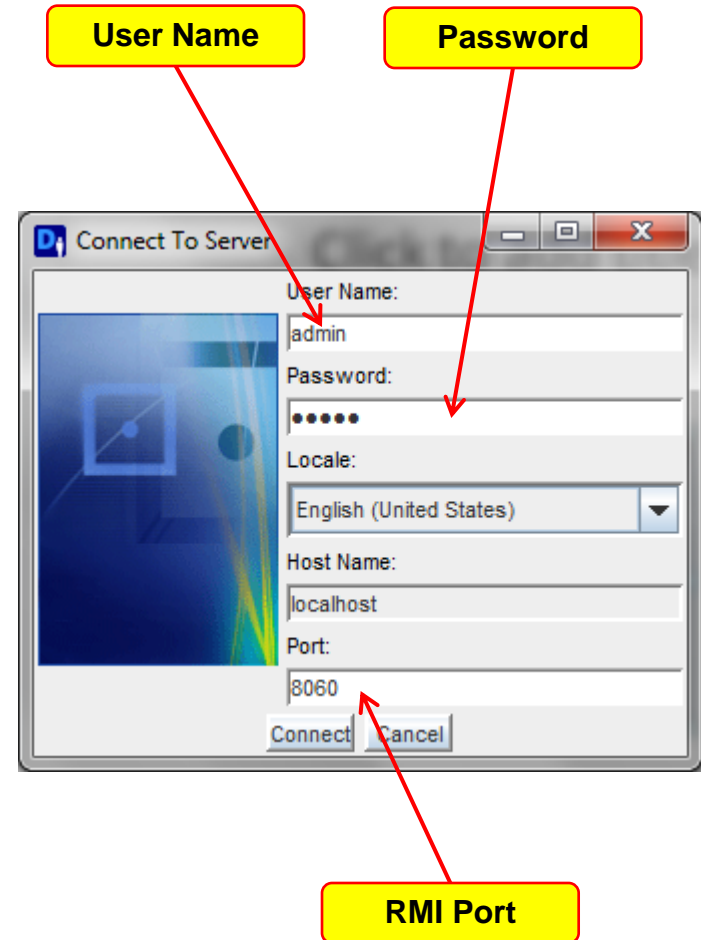
# ACC – Starting

- You can start ACC either through the command line or using the startup link in the windows start menu as shown below.
- The link points to DYNAMO\_HOME/bin/startACC.bat

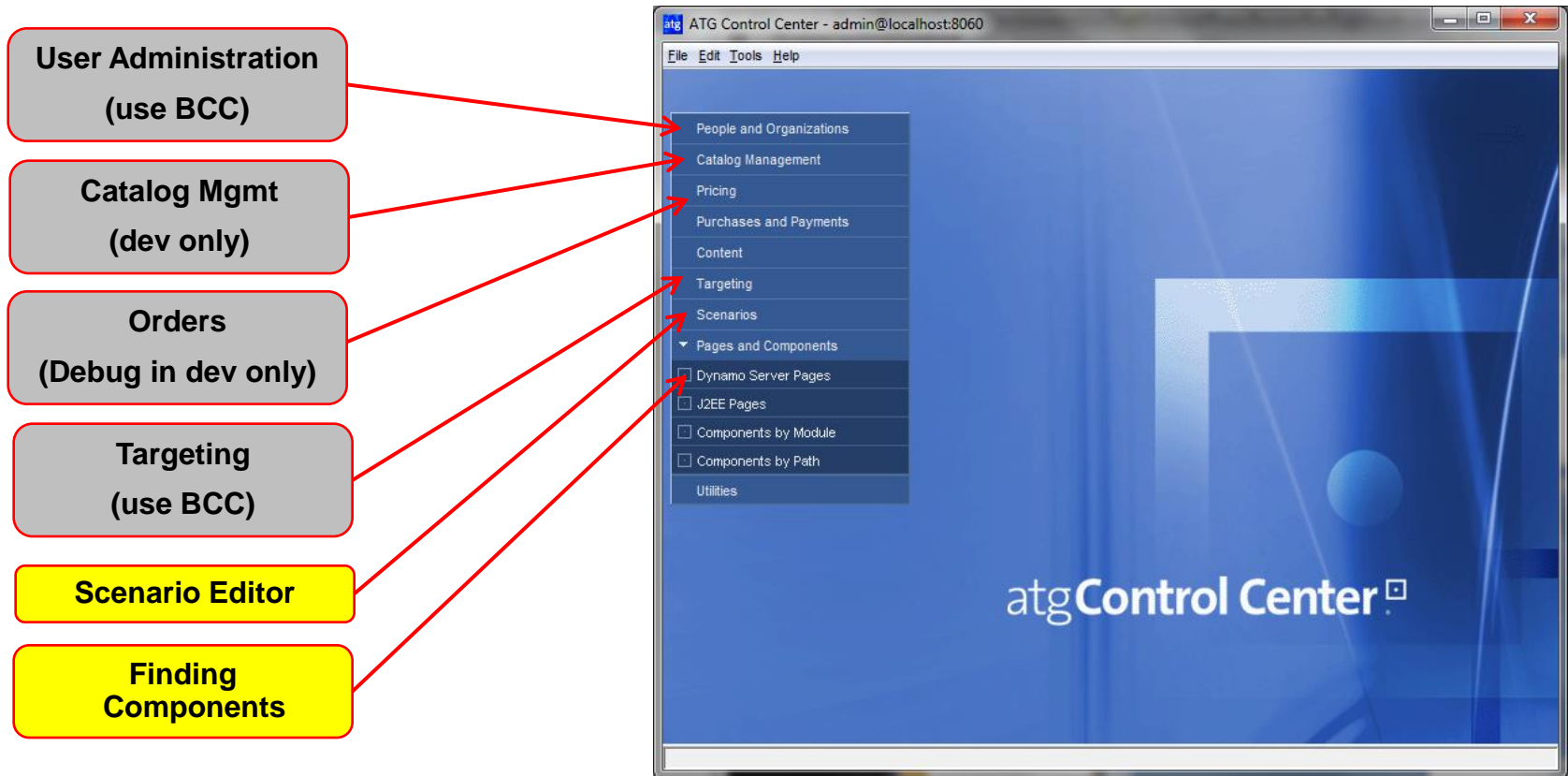


# ACC – Logging In

- The default username and password is admin/admin.
- The port should match the rmiPort of your server.
- To connect to a remote server, you must download and install the standalone ACC client.



# ACC – The Main Window



- This is the main default window.
- Navigate to various sections of the ACC from here.

# ACC – Finding Components by Path

**Path is /atg/abtest**

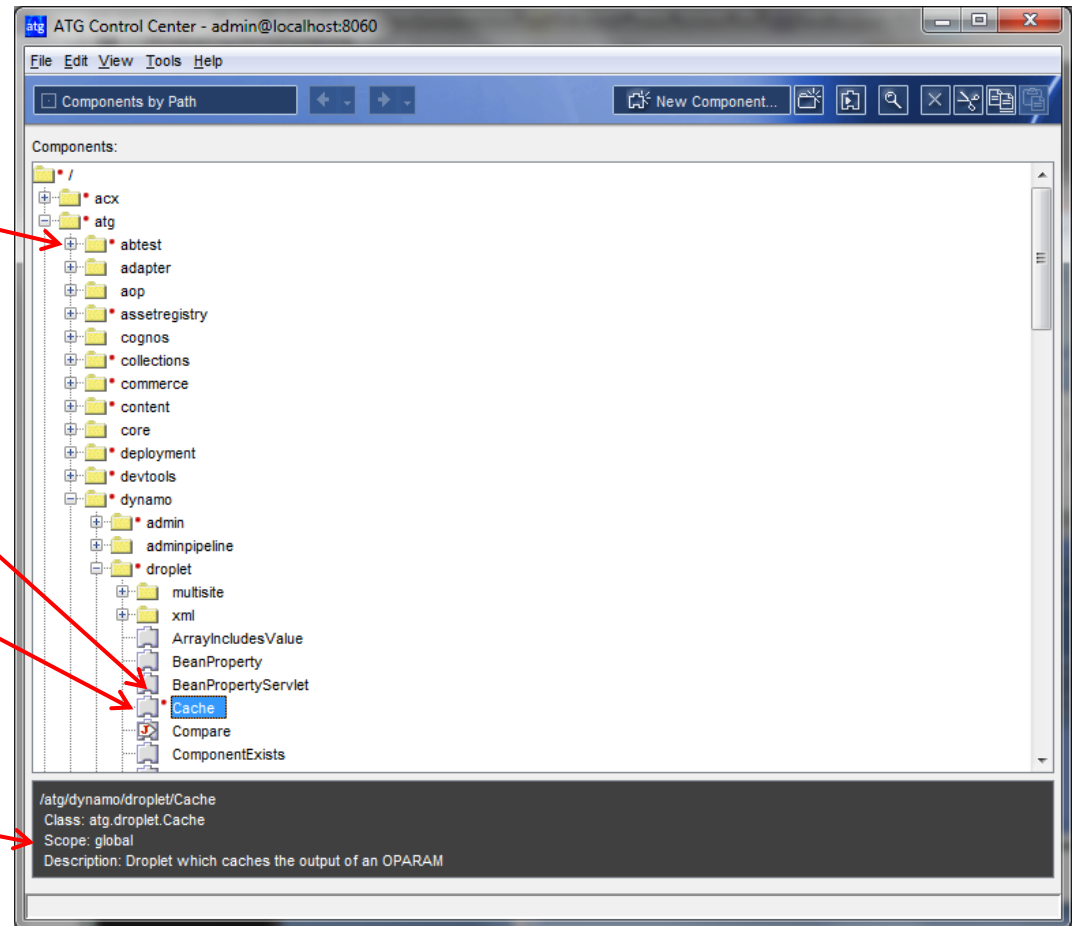
**You can click + to open**

**The red dot indicates that the component is started**

**The Nucleus Component is listed with this icon**

**Double click to see the component**

**Information about the component**



# ACC – Finding a Component by Module

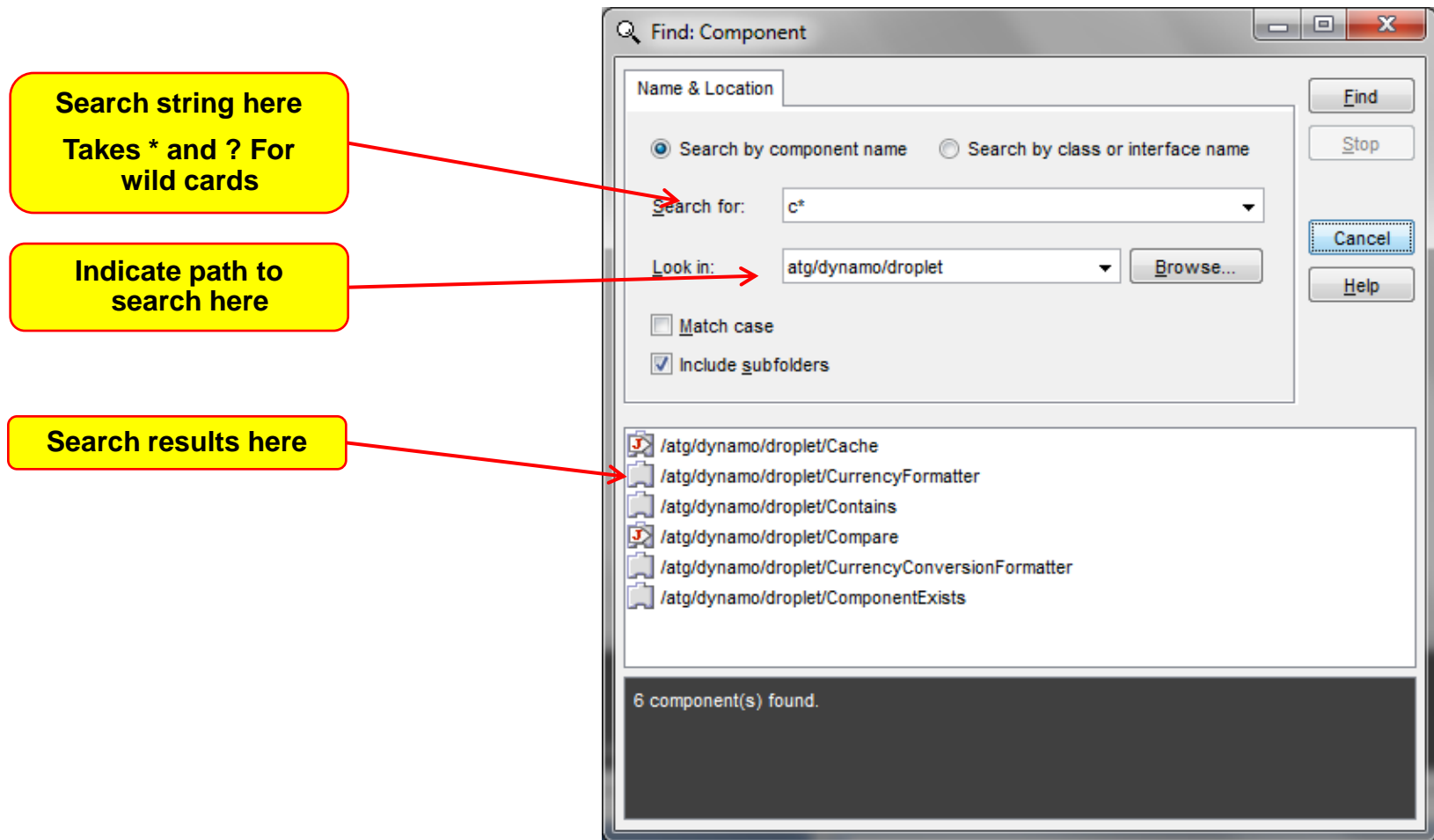
The screenshot shows the ATG Control Center interface with the following components and annotations:

- Path is /atg/repository**: A yellow callout box pointing to the **Repository** category in the **Categories** list.
- The Nucleus Component is listed with this icon**: A yellow callout box pointing to the **ItemLookupDroplet** component icon in the **Components** list.
- Double click to see the component**: A yellow callout box pointing to the **ItemLookupDroplet** component icon in the **Components** list.
- Information about the component**: A yellow callout box pointing to the component details panel at the bottom of the window.

The ATG Control Center window displays the following information:

- Modules:** [all modules], AbandonedOrderServices, Commerce, CustomCatalogs, **Dynamo**, Local, Personalization, Scenario Server, Support.
- Categories:** [all categories], Browser Type, Caching, Configuration, Date, E-Mail, Form Handlers, Logging, Monitoring, Page, Pipeline, Product Comparison, **Repositories**, **Repository**, Request Management, Resource Pools, Scheduling, Servers, Services, Servlet Beans, Session, System.
- Components:** **ItemLookupDroplet**, NamedQueryForEach, PossibleValues.
- Component Details:**
  - Path: /atg/dynamo/droplet/ItemLookupDroplet
  - Class: atg.repository.servlet.ItemLookupDroplet
  - Scope: global
  - Description: This Dynamo Servlet Bean looks for a RepositoryItem by its id from within a Repository.

# ACC – Find a Component by Search



# ACC – Component Details

**Component Name**  
Red dot indicates component is started

**Nucleus Path**

**Component properties**

**Component or property information**

**Configured value**

**Live Value currently on the server**

**Both live and config values can be changed**

Property Name	Configured Value	Live Value
absoluteName		/atg/dynamo/droplet/Cache
adminServlet		
averageRequestHandlingTime		0
defaultCacheCheckSeconds	60	60
handledRequestCount		0
keepingStatistics	true	true
loggingDebug	false	false
loggingError	true	true
loggingInfo	true	true
loggingWarning	true	true
logListenerCount		2
logListeners		/atg/dynamo/service/logging/LogQ...
name		Cache
nameContext		/atg/dynamo/droplet
nucleus		/
purgeCacheSeconds	21600	21600
requestStartTime		1328231303826
root		/
running		true
serviceConfiguration		
serviceInfo		Droplet which caches the output of an ...
servletConfig		
servletInfo	ServletService	ServletService
totalRequestHandlingTime		0

**purgeCacheSeconds**  
Class: long  
Description: Time interval for purging the entire collection of cached content



# ACC – Scenario List

**New Scenario**

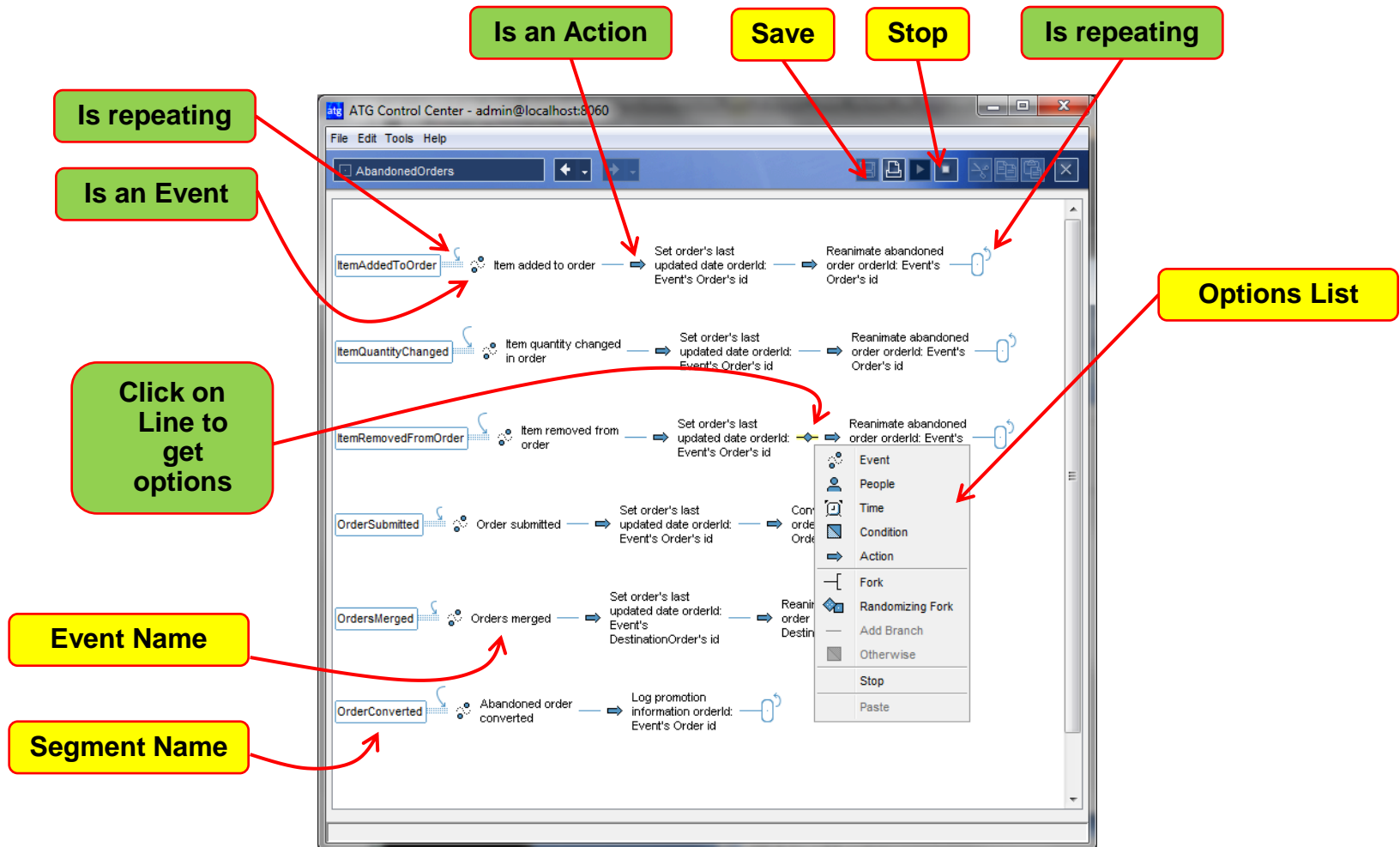
**New Path**

**Path of the Scenario**

**List of Scenarios**

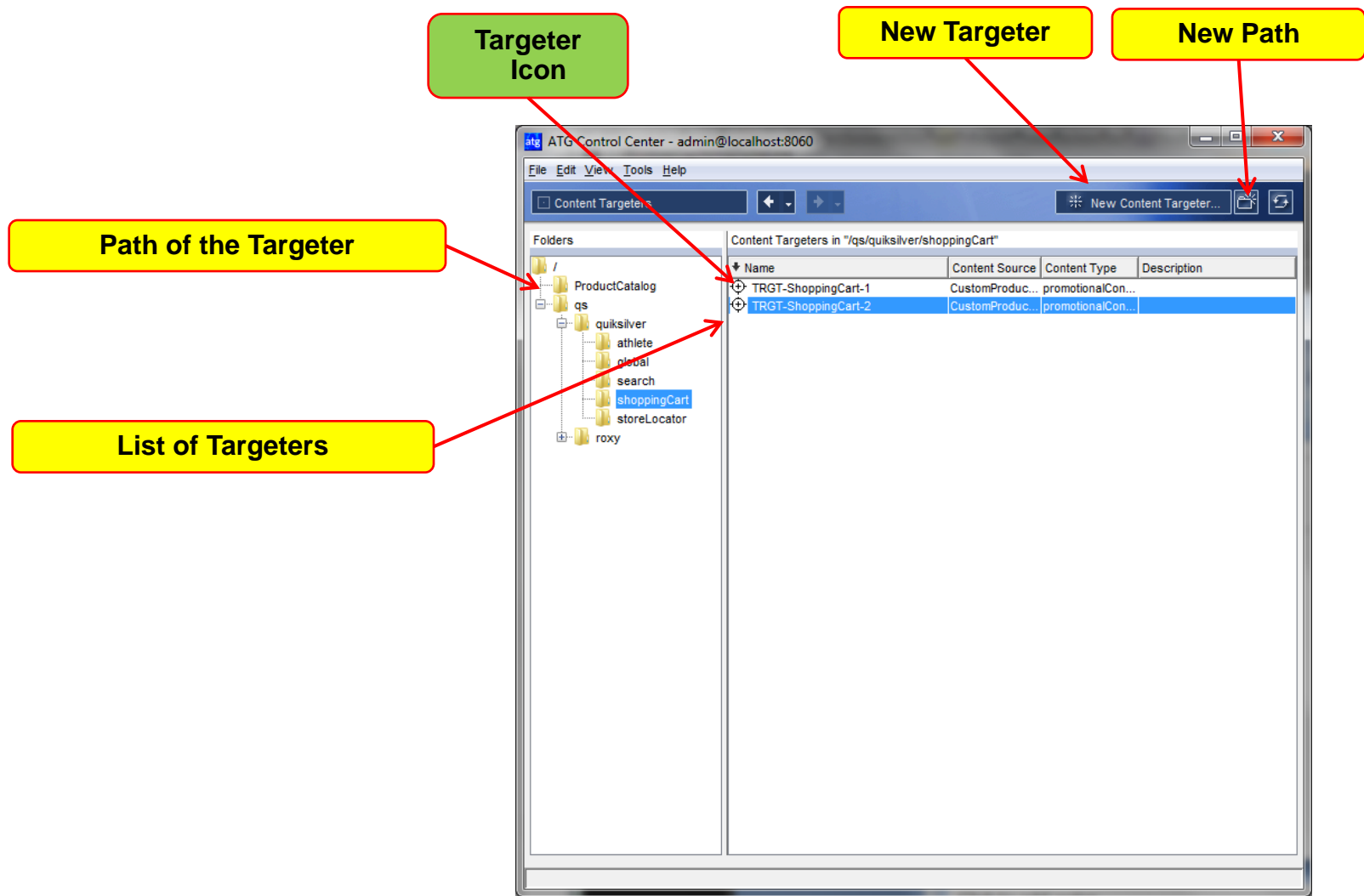
Scenarios in "/>					
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# ACC- Viewing and Editing a Scenario



A Scenario can have many segments. Like Segments are grouped together in a scenario.

# ACC – List of Targeters



# ACC – Editing a Targeter

Should be done thru BCC

Name

Configured Conditions

Editing Options

atg ATG Control Center - admin@localhost:8060

File Edit Tools Help

TRGT-ShoppingCart-2

Step 1 Specify business rules for delivering this content  
Step 2 Select properties for sorting (optional)

Business Rules: Show Hide

Show this content:  
items whose brand starts with Louis Vuitton

to these people:  
people whose Date of Birth is not between 1/1/1960 and 1/1/1985

at these times:  
between Jan 31, 2012 12:00:00 AM and Dec 21, 2012 11:59:00 PM

under these conditions:  
if Person's Gender is female

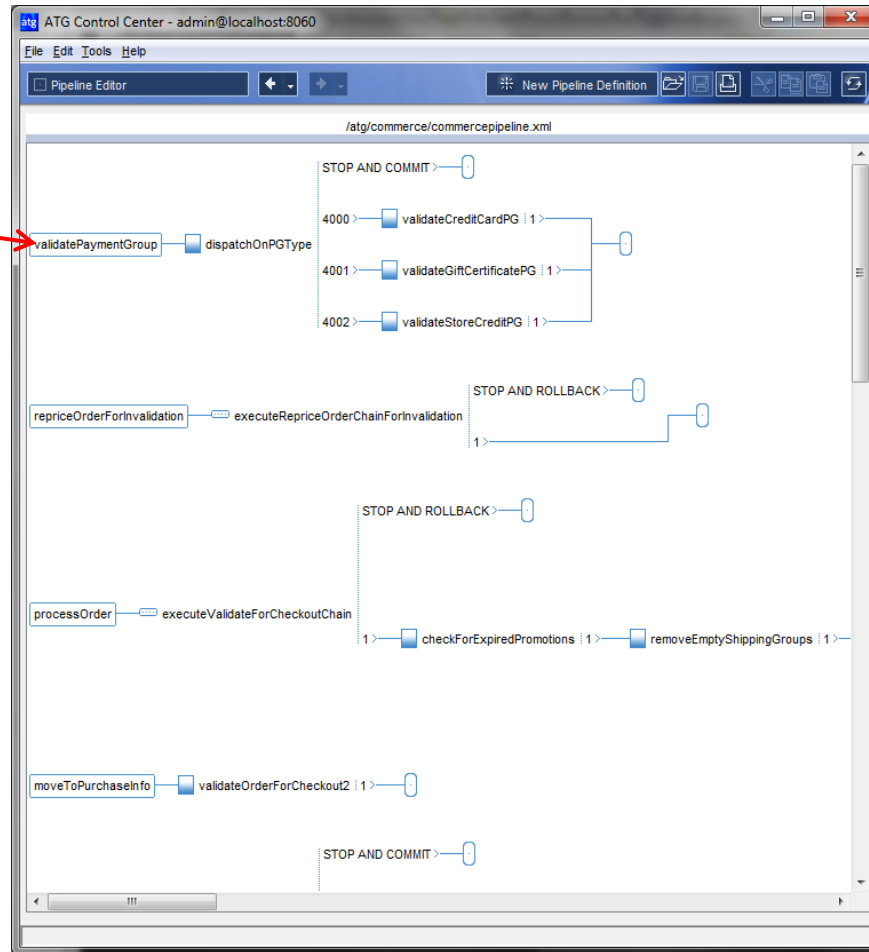
Show this content to these people at these times under these conditions

Person's Gender is female

And... Or...

# ACC – Pipeline Editor

Segment Name



# ACC – Viewing User

Should be done thru  
BCC or CSC

Search Criterion

List of Users

User Details

The screenshot shows the ATG Control Center interface. The title bar reads "atg ATG Control Center - admin@localhost:8060". The menu bar includes "File", "Edit", "View", "Tools", and "Help". Below the menu bar is a toolbar with a "Users" button, navigation arrows, and a "New User..." button. The main area is divided into two panes. The left pane, titled "List", shows "Items of type User whose Login name contains ucla ." and a list of "1 matching users" with "JBruin@ucla.com" selected. The right pane, titled "User 'Joe Bruin'", shows the "Profile" tab with various user details. Red arrows point from the callout boxes to the search criterion, the list of users, and the user details pane.

User "Joe Bruin"	
Login	
Login name *	JBruin@ucla.com
Password *	*****
Auto login	true
Basics	
First name	Joe
Middle name	
Last name	Bruin
Gender	male
Date of Birth	January 31, 1970
Home address	UserProfiles:contactInfo:170006
Member	true
User type	
Locale	en_US
Email	
Last Emailed	(locale)
Email status	unknown
Receive email	yes
Email address	
Mailings	
Activity	
Generated password	false
Last activity	
Last password update	February 2, 2012 5:22:25 PM PST
Registration date	February 2, 2012 5:22:25 PM PST

# Section 1



## Check Your Understanding

What can be done in ACC only and not in BCC or other tools?

- a. Targeter creation and execution
- b. Scenario creation and execution
- c. User creation
- d. Change a components properties
- e. Execute a JDBC Query

**Answer: b**

# Section 1



## Check Your Understanding

What can be done in ACC only and not in BCC or other tools?

- a. Targeter creation and execution
- b. Scenario creation and execution
- c. User creation
- d. Change a components properties
- e. Execute a JDBC Query

**Answer: b**



# Section 1



## Check Your Understanding

Name three ways to find a component in ACC?

- a. By Path
- b. By attribute
- c. By method signature
- d. By Module
- e. Search

**Answer: a, d, e**

# Section 1



## Check Your Understanding

How many segments can a scenario have?

- a. A scenario has exactly one segment
- b. A scenario can have at most one primary and one secondary segment
- c. A scenario can have many segments.
- d. A segment can have many scenarios in it
- e. A segment and scenario are not dependent. Each can have many rules in them.

**Answer: c**

# Summary

- ACC is ATG Control Center. It is a standalone client that provides administration capability to ATG.
- Scenario creation and editing is currently the primary purpose of ACC.
- It should be used for Development and administration activities only.
- You can find a production site component, view, and edit its live and configured properties.



## Section 2:

# ATG Administration through the Dynamo Administration UI



# Dynamo Administration UI

- Using a web browser, ATG Dynamo Server Admin or Dyn Admin is accessed at <http://hostname:port/dyn/admin>
- The port is the web server port of your server.
- The default username and password is admin/admin.
- The features of Dynamo Admin are:
  - Configuration Management,
  - Component Browser,
  - JDBC Browser,
  - Performance Monitor,
  - Web Service Administration,
  - Configuration Reporter,
  - Personalization Administration (use BCC instead).

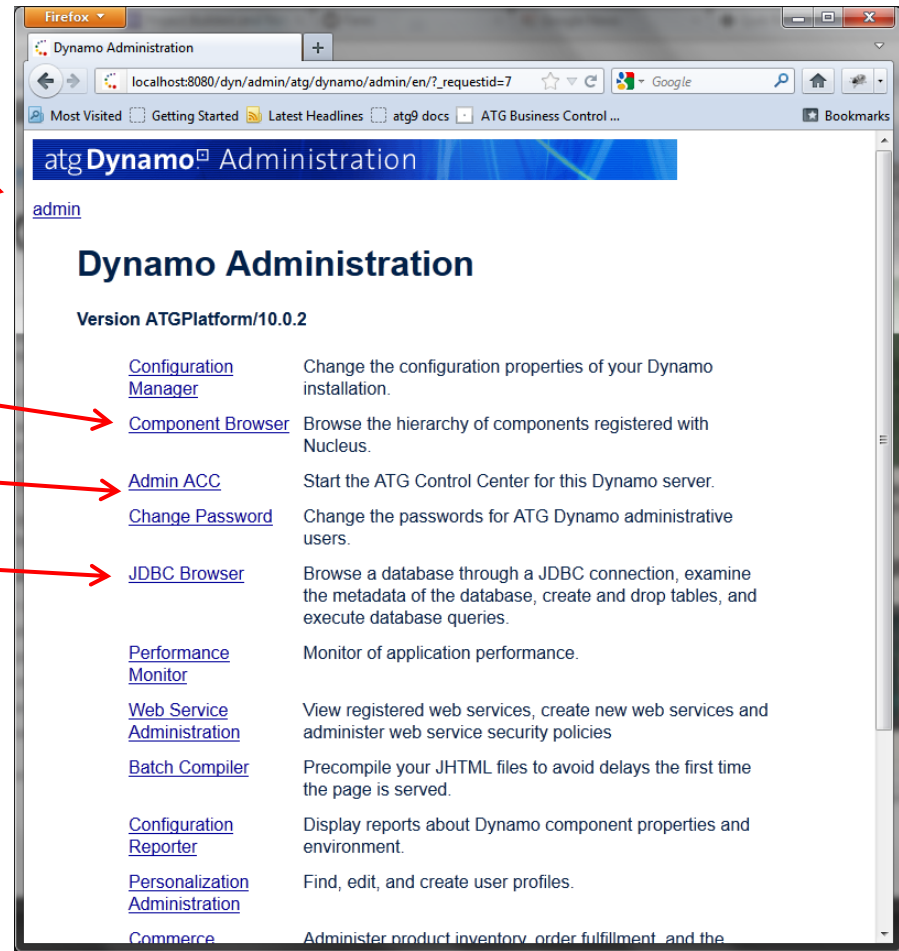
# Dynamo Admin – Landing Page

**Main landing  
page of  
Dynamo Admin**

**Component  
Browser**

**Start ACC**

**JDBC Browser**



# Dynamo Admin – Component Browser

The screenshot shows the 'atg Dynamo Component Browser' in a Firefox browser window. The address bar shows 'localhost:8080/dyn/admin/nucleus/atg/'. The page title is 'atg Dynamo Component Browser'. Below the title, there are links for 'admin/Dynamo Component Browser', 'Search', and 'Context'. The main content area displays 'Service /atg/' with the class 'atg.nucleus.GenericContext2'. Below this, there is a 'View Service Configuration' link. The 'Service Info' section indicates it is a 'Configuration directory'. The 'Directory Listing' section shows several links: 'Initial', 'abtest/' (highlighted with a red arrow), 'ABTestRepository', 'logging/', 'markers/', 'substituter/', 'tracking/', 'assetregistry/' (highlighted with a red arrow), 'AssetRegistry', and 'collections/' (highlighted with a red arrow). On the left side of the slide, there are four yellow boxes with red borders: 'Component Browser Link goes here' (with an arrow pointing to the 'atg Dynamo Component Browser' title), 'Path' (with an arrow pointing to the 'Service /atg/' link), 'Paths' (with an arrow pointing to the 'abtest/' link), and 'Components' (with an arrow pointing to the 'assetregistry/' link).

Component Browser Link goes here

Path

Paths

Components

# Dynamo Admin – Viewing a Component

**Clicking on Component Link goes here**

**Path**

**Properties**

**Configured Values**

Service /atg/dynamo/droplet/Cache/

Class [atg.droplet.Cache](#)

[View Service Configuration](#)

### Service Info

Droplet which caches the output of an OPARAM

### Cache usage statistics

[entry](#) [creationTime](#) [cacheSize](#) [cacheData](#) [removeItemsFromCache](#)

[Remove items from Cache](#)

Cache contains 0 entries, containing 0 bytes and 0 containing 0 characters.

### Properties

Name	Value	Type
<a href="#">absoluteName</a>	/atg/dynamo/droplet/Cache	java.lang.String
<a href="#">adminServlet</a>	instance of <a href="#">atg.droplet.Cache\$CacheAdminServlet</a>	javax.servlet.Servlet
<a href="#">averageRequestHandlingTime</a>	0	long
<a href="#">class</a>	Class <a href="#">atg.droplet.Cache</a>	java.lang.Class
<a href="#">defaultCacheCheckSeconds</a>	60	int
<a href="#">enabled</a>	true	boolean
<a href="#">encodingType</a>	<a href="#">/atg/dynamo/servlet/pagecompile/EncodingType</a>	atg.servlet.pagecompile.Pa
<a href="#">handledRequestCount</a>	0	int



# Dynamo Admin – Changing a Value

Clicking on the property name allows you to modify it

Path

Property

Current Values

New Values

The screenshot shows the 'atg Dynamo Component Browser' in a Firefox window. The browser address bar shows 'localhost:8080/dyn/admin/nucleus/atg/dynamo/droplet/Cache/?pro'. The page title is 'atg Dynamo Component Browser'. Below the title, there are links for 'admin/Dynamo Component Browser', 'Search', and 'Context'. The main heading is 'Service /atg/dynamo/droplet/Cache/'. Below this, it says 'Class atg.droplet.Cache'. The property 'purgeCacheSeconds' is highlighted. A table shows the property details: displayName 'purgeCacheSeconds', expert 'false', hidden 'false', and propertyType 'long'. Below the table, the 'Short Description' is 'Time interval for purging the entire collection of cached content'. The 'Value' is '21600'. The 'New value' is '600'. A 'Change Value' button is at the bottom. A note at the bottom states: '(Note that values changed here are not written permanently to the properties files)'.

Property	Current Value	New Value
purgeCacheSeconds	21600	600

# Dynamo Admin – Viewing Methods

Scroll down on the component to see methods

Events

Methods

Click to see methods

The screenshot shows the Dynamo Admin web interface in a Firefox browser window. The address bar shows the URL `localhost:8080/dyn/admin/nucleus/atg/droplet/Cache/`. The page displays the configuration for the `atg.droplet.Cache` component. The 'Methods' section is expanded, showing a table of methods. The `doStartService` method is highlighted, and a red arrow points to it from the 'Click to see methods' callout box. Another red arrow points from the 'Methods' callout box to the 'Methods' section header.

Name	Return Type	Declaring Class
<a href="#">destroy</a>	void	Class <a href="#">atg.nucleus.servlet.ServletService</a>
<a href="#">doStartService</a>	void	Class <a href="#">atg.nucleus.GenericService</a>
<a href="#">doStopService</a>	void	Class <a href="#">atg.nucleus.GenericService</a>
<a href="#">flushCache</a>	void	Class <a href="#">atg.droplet.Cache</a>
<a href="#">hashCode</a>	int	Class <a href="#">java.lang.Object</a>
<a href="#">notify</a>	void	Class <a href="#">java.lang.Object</a>
<a href="#">notifyAll</a>	void	Class <a href="#">java.lang.Object</a>
<a href="#">resetStatistics</a>	void	Class <a href="#">atg.nucleus.TimedOperationService</a>
<a href="#">stopService</a>	void	Class <a href="#">atg.nucleus.GenericService</a>
<a href="#">toString</a>	Class <a href="#">java.lang.String</a>	Class <a href="#">java.lang.Object</a>
<a href="#">wait</a>	void	Class <a href="#">java.lang.Object</a>

String Value

`atg.droplet.Cache@462fd484`

# Dynamo Admin – Executing a Method

The screenshot shows a Firefox browser window displaying the ATG Dynamo Component Browser. The address bar shows the URL `localhost:8080/dyn/admin/nucleus/atg/dynamo/droplet/Cache/?sho`. The page title is **atg Dynamo Component Browser**. Below the title, there are links for `admin/Dynamo Component Browser`, `Search`, and `Context`. The main content area displays the **Service /atg/dynamo/droplet/Cache/** and the class `atg.droplet.Cache`. The **Invoke Method doStartService?** section is highlighted, showing a warning message: "Warning: invoking methods should only be performed by developers aware of potential side effects that this method might have. You should never invoke a method on a live site unless you have tested this operation before." Below the warning, there are two buttons: `Invoke Method` and `Cancel`.

Clicking on the methods goes here

Path

Methods

Invoke Method

# Dynamo Admin – JDBC Browser

JDBC Browser Window

Functions

atgDynamo JDBC Browser

admin/JDBC Browser

## JDBC Browser

### Database

The browser is currently using the connection pool component at `/atg/dynamo/service/jdbc/JTDataSource`. If you want the JDBC Browser to use a different connection pool, modify the `connectionPool` property of the `/atg/dynamo/admin/jdbcbrowser/ConnectionPoolPointer` component so that it points to the desired connection pool service.

Here are the current settings of the connection pool:

type	old-style Dynamo JDBCConnectionPool
driver	unknown
URL	NA
autoCommit	false

### Database operations

- [Create table](#)
- [Drop table](#)
- [Execute query](#)
- [List tables](#)
- [List table columns](#)
- [List datatypes](#)
- [List database Metadata](#)

### Other Metadata

# Dynamo Admin – Executing a SQL Query

The screenshot shows the 'Execute Query' window in a Firefox browser. The window title is 'Execute Query'. The URL bar shows 'localhost:8080/dyn/admin/atg/dynamo/admin/en/jdbcbrowser/exec'. The page content includes the following sections:

- Execute a Query Window**: Points to the overall window.
- Executing query**: Shows the SQL statement: `select * from dps_user where login = 'JBruin@ucla.com'`.
- Executed Query**: Points to the SQL statement.
- ResultSet**: Displays a table with the following data:

	ID	LOGIN	AUTO_LOGIN	PASSWORD	MEMBER	FIRST_NAME	M
0	170002	JBruin@ucla.com	1	c4a6c07a8a2d7c804a5776d9d039428a	1	Joe	
- Results**: Points to the 'ResultSet' table.
- New Query**: Points to the 'Enter Query' section.
- Execute**: Points to the 'execute and commit' button.

The 'Enter Query' section includes a text area with the same SQL statement and a checkbox labeled 'Show resulting column headings in long form'. At the bottom, there are two buttons: 'execute and commit' and 'execute and rollback'.

## Section 2



### Check Your Understanding

Name three functions of the Dynamo Admin interface.

- a. Configuration management
- b. Versioned catalog management
- c. JDBC browsing
- d. Component browsing.
- e. Scenario creation and editing

**Answer: a,c,d**

## Section 2



### Check Your Understanding

Name two pieces of information is available from the component view screen?

- a. Class Name
- b. Implemented interface
- c. ORM mapping if the component is a repository item
- d. Component path
- e. Port for invoking component as a Web service

**Answer: a,d**

## Section 2



### Check Your Understanding

Which screen allows in the Dynamo Admin lets you to see the method signatures and return object types of component methods?

- a. The method info screen for the component
- b. The component view screen at the bottom.
- c. Cache Usage Statistics screen if the method was invoked
- d. Dynamo Admin does not expose this information. Use ACC

**Answer: b**



## Section 2

# Check Your Understanding

How can you invoke a method in the component using Dynamo Admin?

- a. Methods cannot be invoked using Dynamo Admin. Use the application or a custom page to do this.
- b. By clicking on the InvokeMethod button on the method information page.
- c. Cache Usage Statistics screen of the method if the method was already invoked.
- d. Clicking on the method in the Component View Service Info screen invokes the method.

**Answer: b**

## Section 2



### Check Your Understanding

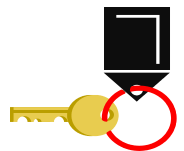
What type of query language does the JDBC Browser in Dynamo Admin let you execute?

- a. Repository Queries
- b. SQL Queries
- c. RQL Queries
- d. Named SQL Queries specified in the repository XML
- e. Only SELECT queries in the SQL format

**Answer: b**

# Summary

- Dynamo Administration UI can perform several functions such as configuration, component browsing, jdbc browsing, etc.
- You can change the live value of a component in a production site through Dynamo Administration UI.
- JDBC Browser lets you execute any SQL Query against the database.



# Section 3:

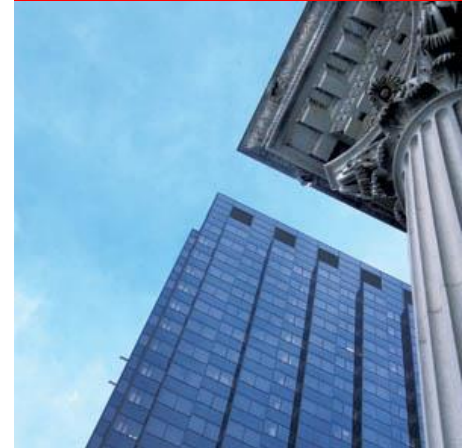
## ATG Administration through the Business Control Center



# Business Control Center

- Used by Administrators to control site behavior including multisite configuration, access control, workflow, etc.
- Used by Merchandizers to create, preview, approve, deploy, and revise site content.
- Your site must run the BIZUI module of ATG.
- It is accessible at the location <http://servername:port/atg/bcc>
- Business Control Center will be covered in more detail in the commerce section.

# Q&A





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