WebSphere Development Studio Client for iSeries: The Remote System Explorer Tooling for RPG/COBOL development
Claus Weiss
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Development Studio Client

Remote System Explorer
  Subsystems, filters and actions
  Editors
  Integrated iSeries Debugger
  Designer

Summary
1988

In the beginning, there was PDM and SEU

Columns . . .: 6 76 Edit
SEU=>
FMT *
.*. 1 ...+... 2 ...+... 3 ...+... 4 ...+... 5 ...+... 6 ...+... 7 ...
.
0000.45 C*******************************************************************
0000.46 C* Housekeeping, clear display fields and reset indicators.
0000.47 C*
0000.48 C               EXSR      MAIN
0000.49 C* If MAIN is done program ends
0000.50 C            eval    *INLR = *on
0000.51 * MAIN SUBROUTINE
0000.52 C     MAIN      BEGSR
0000.53 C        dou     *INKC
0000.54 C        EVAL    *IN5O = *OFF
0000.55 C        EVAL    EMESS = *BLANK
0000.56 C        EVAL    EMPAPL = *BLANK
0000.57 C        EVAL    PRJAPL = *BLANK
0000.58 C        EVAL    RSNAPL = *BLANK
0000.59 C*
0000.60 C* Write the SELECT format to display. If end of job requested,
0000.61 C*
And then came CODE/400!

Not your father’s SEU!
Now, there is RSE in WDSc!
WebSphere Development Studio Client

RSDP (Rational Software Development Platform)

Eclipse

More...

RFA

WDz

RMT

RSM

RAD

RWD

WDSce

RSA

More...
WebSphere Development Studio

Current 5722-WDS customers with software subscription for V5R3, to upgrade to WDSc V6.0 use feature #: 2656 Available after GA

Upgrade from WDSC 6.0 to 6.0.1 using Rational Product updater

Unlimited Licenses

New WDSc Lite Technology preview

WebSphere Development Studio Client V6.0.1 based on RWD V6

www.ibm.com/software/awdtools/iseries
WebSphere Development Studio Client - Advanced

RSDP (Rational Software Development Platform)

Eclipse

More...

RFA

WDz

RMT

RSM

RAD

RWD

WDSc

RSA
WebSphere Development Studio Client Advanced Edition 6.0.1

Workstation License
order through Passport Advantage
http://www.lotus.com/services/passport.nsf/WebDocs/Passport_Advantage_Home

Upgrade from WDSC 6.0 to 6.0.1 using Rational Product updater

+CODE
+VisualAge RPG

WebSphere Development Studio Client V6.0.1 based on RAD V6
Installation

WDSc 6.0.1 is an electronic update to WDSc 6.0. It can be installed directly from the Internet via the Rational Product Updater (after GA on Feb 14th).

IBM WebSphere Development Studio Client for iSeries, Version 6.0.1, Readme file

Contents

About this release
Before you begin

Manual downloads and iSeries PTFs will be made available after electronic GA.
WDSc Lite – Technology Preview

- WDSc Lite is a slimmed down workbench with only the:
  - Eclipse workbench (branded as the Rational Software Development Platform)
  - Remote System Explorer
  - iSeries Projects
  - iSeries Integrated Debugger

- Requires only 256 MB RAM !!!
- Optional installation feature for 6.0.1
  - Must already have full WDSc 6.0.1 installed
  - Creates a second copy of the workbench

- Fully supported technology preview
  - Preview of future packaging directions 😊
WDSc Lite – Installation and Startup

WDSc Lite is installed via the “Optional Features” tab in the Rational Product Updater.

Can still run full WDSc

Run WDSc Lite
Eclipse User Interface – Select Perspective

- Users work with **perspectives**
  - Collection of **editor** and **views**
    - Tools for a particular task
    - Allows for role-based development
  - Many perspectives are pre-supplied for specific tasks like Java, Web, XML, RPG/CBL
  - Users can create their own perspectives

- The user interface is very Windows-like
  - Eg: views can be re-sized and re-positioned through drag ‘n drop
Eclipse User Interface – Perspective

- **Active perspective**: Remote Systems
- **Open perspectives**: New Connection, Library list
- **Views**:
  - Remote Systems: s400a
  - View of Library list
- **Other open views**: Tasks, iSeries Table View, iSeries Commands Log

**Editor**

**View**
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RSE Perspective – PDM Drill down, Filtered Access

- iSeries QSYS artifacts
  - libraries, objects, members, records, fields, modules, etc

- iSeries Jobs

- iSeries IFS Folders and Files, and QShell Cmds

- Local Folders, Files and Cmds

- Remote Unix, Windows, Linux Folders, Files and Cmds
RSE Perspective

Expand to create new "connection"

"Local" connection is pre-defined

Remote iSeries System Connection
Define connection information

- Parent profile: Phil
- Connection name: My Server
- Host name: TORAS07M
- Description:

- Verify host name

< Back  Next >  Finish  Cancel
Prompted to signon on expand

Prompted to signon on expand

Prompted to signon on expand

Prompted to signon on expand

Prompted to signon on expand

Prompted to signon on expand

Prompted to signon on expand

Prompted to signon on expand
RSE Perspective

Icon changes when connected
What is an RSE “Connection”?

- Represents a remote system
  Given an arbitrary name
  Multiple connections to one system permitted

- Contains environment info
  Such as library list and environment variables
  Specified in properties dialogs of connection

- Used in many Development Studio Client for iSeries tools
  RSE, iSeries Projects, Java Tools, Web Tools, WebFacing