WebFacing Advanced Topics

Claus Weiss weiss@ca.ibm.com Satish Gungabeesoon satish@ca.ibm.com

IBM Toronto Laboratory

ITSO iSeries Technicak Forum SP20

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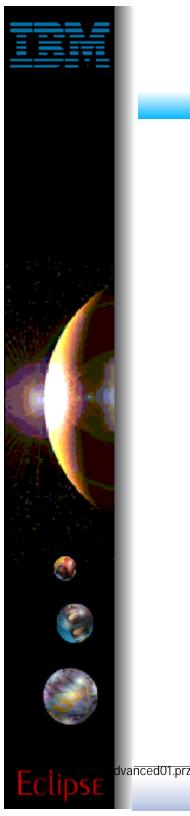
- This presentation is a collaborative effort of the IBM Toronto iSeries Application Development presentation team, including work done by:
 - ► Satish Gungabeesoon, Maha Masri,

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WebFacing



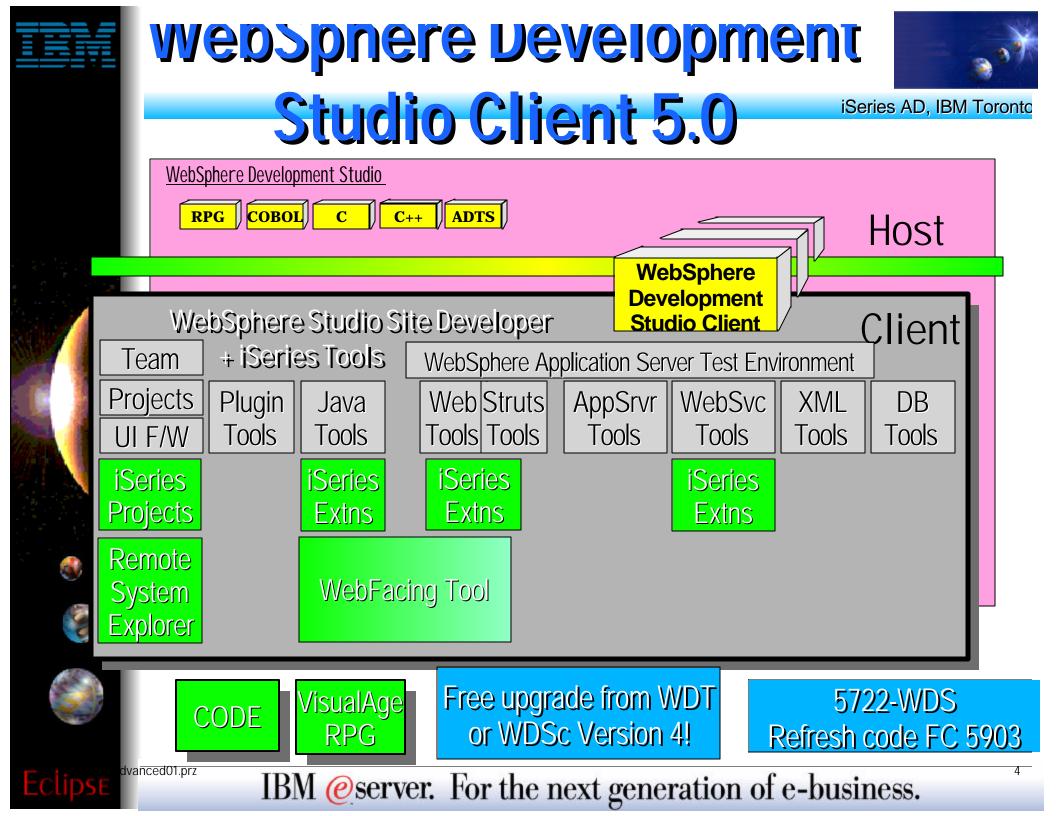
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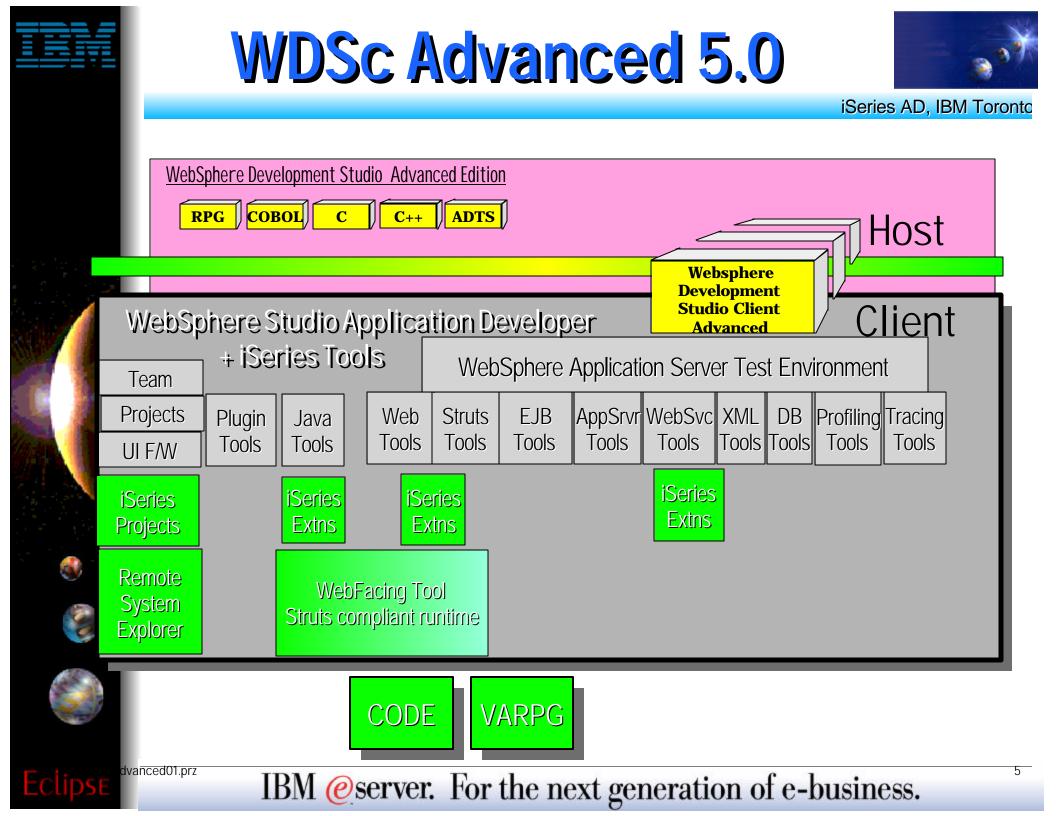
✓ What it is:

- Development Tool
 - Converts DSPFs to Web UI
 - Application converted at development time, not at runtime
- Runtime Intercept
 - *PGM data fed to Web UI
- ✓ What is not:
 - 5250 datastream converter!
 - No 5250 datastream ever created



- 🗸 Why:
 - For BPs/ISVs to quickly convert to Web
 - No limitation to customization of output
 - No runtime cost, ubiquitous tool





WDSc: WebFacing



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WebFacing Settings

Conversion

- Conversion settings, specified in the project's properties page
- WebSettings specified using CODE Designer
 - Annotates your DDS with comments interpreted as WebSettings specs by the conversion tool

• Runtime

- Web application settings
- ► iSeries host settings
 - specified in the project's properties page
- WebFacing server settings
 - specified in the WebFacing server configuration area
 - ✓ Coming soon, PTF to OS V5R1 and V5R2

Styles

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specified in the project's properties page

Conversion Settings



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Conversion

• Command key recognition patterns

- To detect and extract labels for web buttons that represent your DDS FN keys. You specify the pattern.
 - ✓ Pattern: *prefix* followed by *separator*
 - \checkmark e.g F3 = Return defined in your source will convert to Return

Command key button labels

To force the display of cmd key buttons for function keys that are defined in your DDS but not shown on 5250

• MNUDDS options

- Convert menu options to Hyperlink options number are shown as a hyperlinks
 - Clicking on the link will submit the correct option number to the application

Runtime Settings



🗸 Runtime

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• Web Application Settings

- To specify the IP address of the host where the native application runs
 - the web application communicates with the WebFacing server: you also need to specify the IP port for the WebFacing server
- To specify whether the user gets prompted for password
- Other settings: Web page height, Forced Deferred Write, Keyboard text entry mode: overwrite or insert

• Web Application Settings can be at project or link level

Runtime Settings



🗸 Runtime

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- Display File Mappings
 - Map display file objects to the location of their generated JavaServer Pages
 - You can overwrite the defaults if you move the DSPF objects for production

• UIM Panel Mappings

- Map UIM panel objects to the location of their generated JavaServer Pages
 - You can overwrite the defaults if you move the UIM objects for production

Runtime Settings



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WebFacing server

• Support for multiple subsystems

- Configuration data area QQFCONFIG in QQFTEMP library
 - You specify the number of interactive subsystems dedicated to WebFacing interactive jobs
 - The WebFacing server starts QQF interactive jobs targetting the SBS
- How do I configure?

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- Create interactive SBS description model after QINTER
- Add WorkStation Entry ADDWSE for QQFx* jobs
 - ✓ x is zero-based, x max is F (all in hex)
- ✓ Maximum number of SBS configured in data area is 16
- ✓ Interactive jobs are QQF0* QQFn*





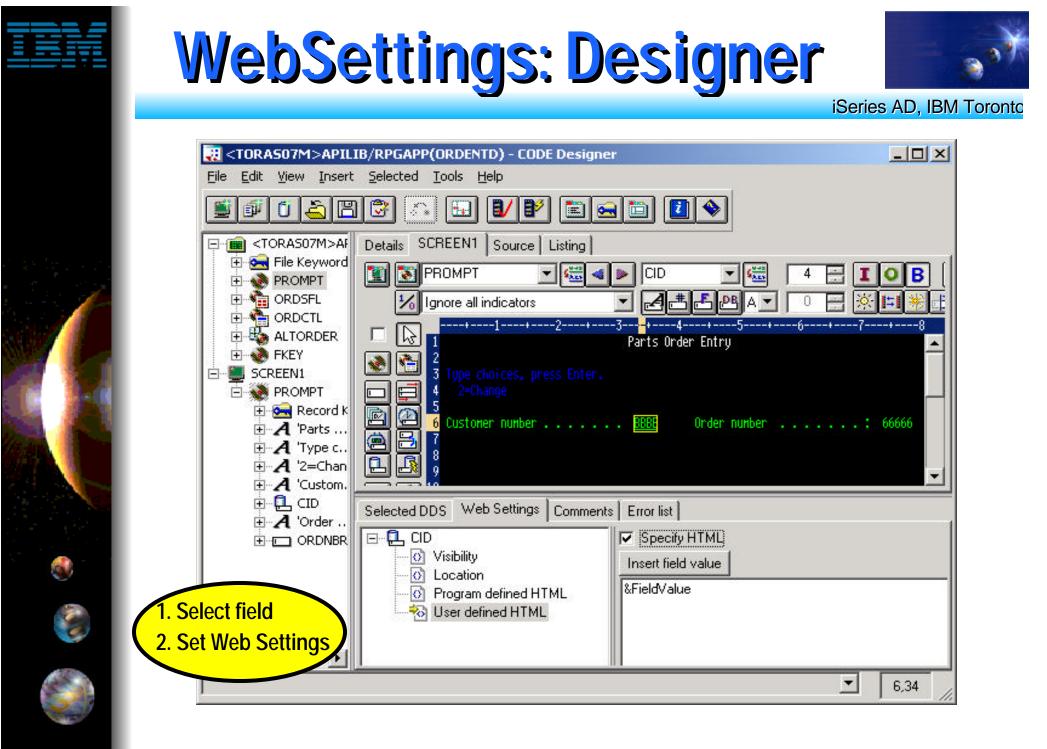
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- ✓ Style
 - Customize DDS UI constructs for the web
 - Cascading Style Sheets (CSS) based
 - DDS field
 - ✓ color
 - display attributes
 - ► Window
 - Subfile

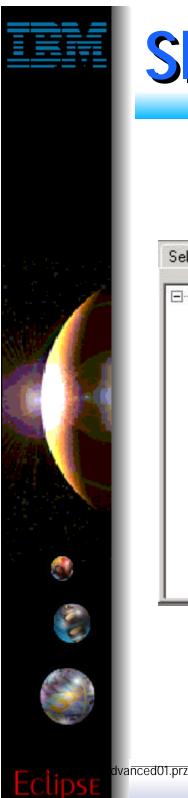
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- Command keys
 - roll-over and button-down effects
- CSS classes



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Selected DDS Web Settings Comments Erro	or list
Custom' Visibility O Location Program defined HTML O User defined HTML O Appearance and Text Insert HTML O Create graphic Create hyperlink	C Hide field

Change Field pos and size



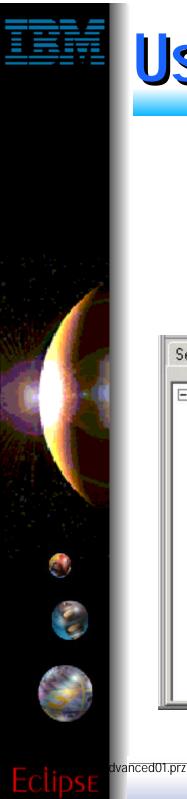
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- ► Change span: to indicate the number of rows and columns that will be given to your field.
 - Use: using a graphic in place of the text values that the program originally used to populate the field.
- ► Change position: to indicate the row and column that will be the starting position for your field.

Selected DDS Web Settings Comments Error	list	
☐ A 'Custom' O Visibility O Location Program defined HTML	🥅 Change span	Rows Columns
O User defined HTML O Appearance and Text O Insert HTML O Create graphic	Change position	Row Column
* Create hyperlink		

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Use field contents as HTML



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Use field value returned by the field as HTML markup that you would like to use in your page

Selected DDS Web Settings Comments	Error list
 Custom' Visibility Location Program defined HTML User defined HTML User defined HTML Appearance and Text Insert HTML Create graphic Create hyperlink 	Use field value as HTML

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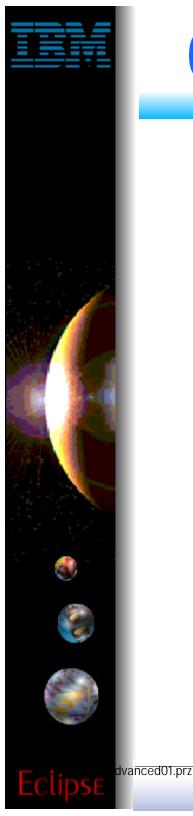




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Specify HTML text or tags that can be displayed with or in place of the value for your field.

Selected DDS Web Settings Comments Erro	r list
Custom' Visibility Collocation Program defined HTML Viser defined HTML Appearance and Text Ninsert HTML Create graphic Create hyperlink	Specify HTML Insert field value



Override Field on Web

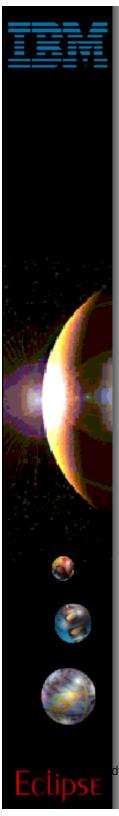


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- ► Overrides constant text (e.g field description)
- ► Overrides field value
- ► Hides specified characters

Selected DDS Web Settings Comments Error I	list
 Custom' Visibility Location Program defined HTML User defined HTML User defined HTML Appearance and Text Insert HTML Create graphic Create hyperlink 	Change style class Override constant text From To To



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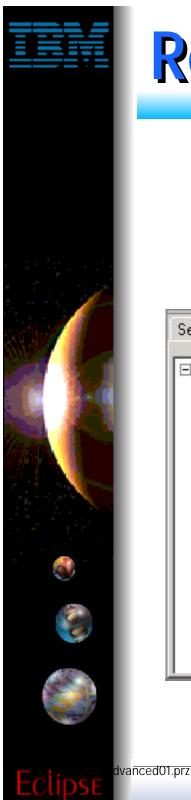


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► To customize your fields by adding additional HTML Before, Inside, and After the HTML tag that is automatically generated for the field.

 Custom' Visibility Location Program defined HTML Uses defined UTMI 	Before Inside After	-
User defined HTML Appearance and Text Insert HTML Create graphic Create hyperlink	Example of generated HTML Customer number	T T



Replace field with image



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Populate the File name field with the complete URL to an image file (e.g. http://www.ibm.com/image.gif), or with a field value

Selected DDS Web Settings Comments E	rror list
 Custom' Visibility Location Program defined HTML User defined HTML User defined HTML Appearance and Text Insert HTML Insert HTML Create graphic Create hyperlink 	Create graphic File name Browse Width in pixels Height in pixels Choose a field &(CD) &(ORDNBR) Insert field value

Display field as hyperlink



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- ► Applies to output fields only
- ► Maps link to a field
- ► On click, submits specified value

Selected DDS Web Settings Comments Custom' Visibility O Visibility O Location O Program defined HTML O User defined HTML O Appearance and Text O Insert HTML O Create graphic Create hyperlink	Error list Create hyperlink Override browser's hyperlink appearance with DDS appearance Specify URL Choose a field Value Value
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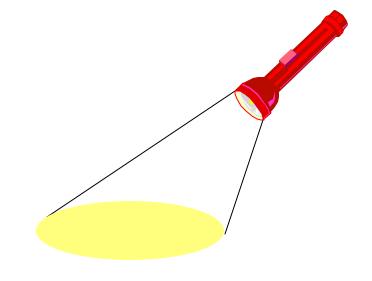


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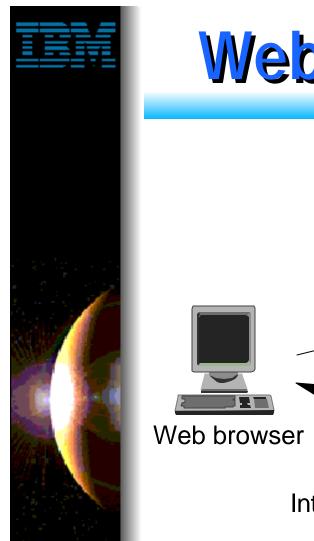
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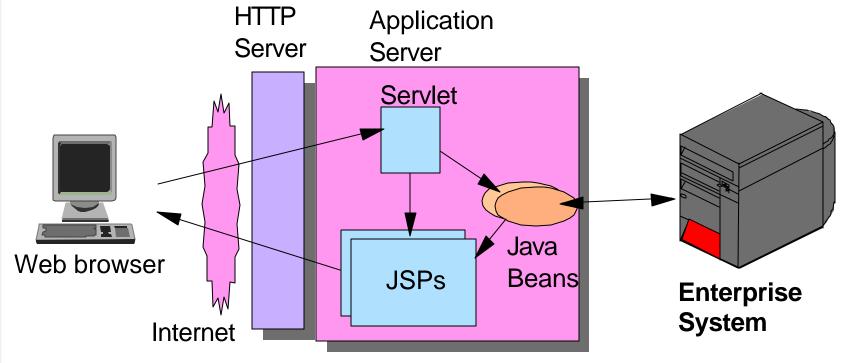


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Web App Architecture



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Tier 1Tier 2Tier 3