eXpress Diagnostic Deployment

IETM Environment

DSI International
May, 2011

eXpress Diagnostic Deployment – IETM Environment

eXpress

Commercial IETM,
Diagnostic Executive,
Written Documentation
(Static Diagnostics)

Run-Time Authoring Tool
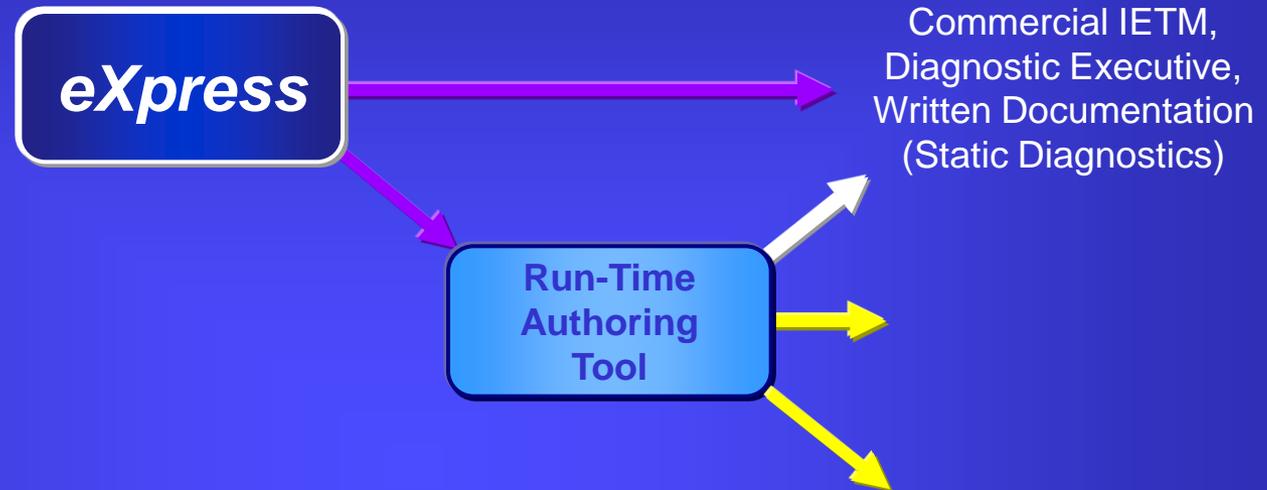
Run-Time Authoring Tool

- ❖ Reads DiagML files from *eXpress*
- ❖ Provides options for customizing the display of exported data
- ❖ Publishes data for *eXpress* Java Applet, DSI Workbench, and custom solutions
- ❖ Facilitates the mapping of regions in alternative views to elements in the design
- ❖ Supports creation of test/repair procedures

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**Run-Time
Authoring
Tool**

eXpress Java Applet
(Commercial
Web Browsers)
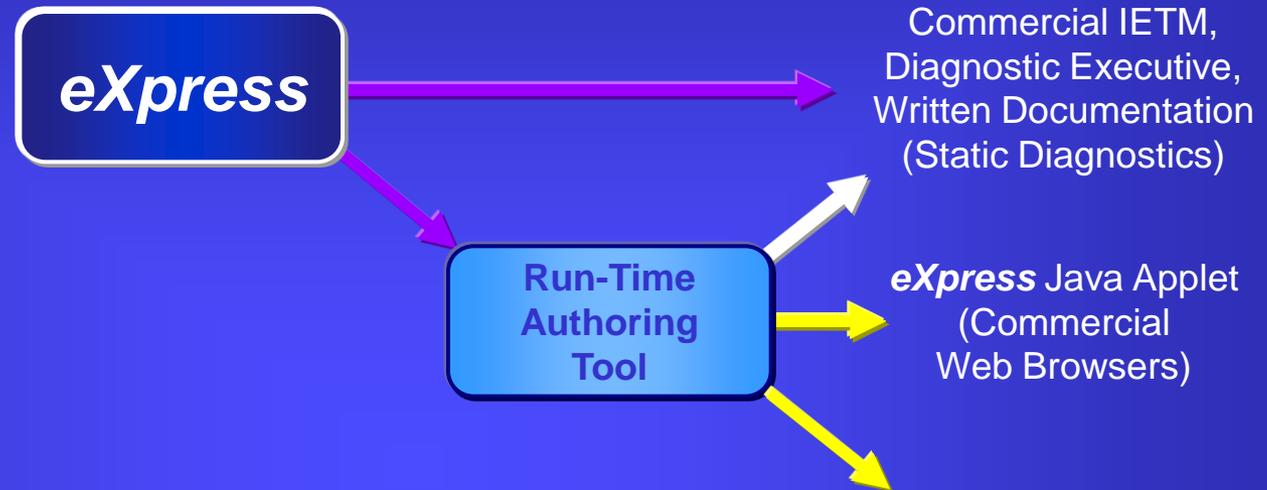
eXpress Java Applet

- ❖ Runs in any Web Browser
- ❖ Allows *eXpress* data to be shared with individuals who do not have *eXpress*
- ❖ Provides hierarchical display of objects, nets, functions, failure modes, tests and diagnostic trees
- ❖ Replicates the exact appearance of model drawings in *eXpress*

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Run-Time Authoring Tool

→ *eXpress* Java Applet
(Commercial
Web Browsers)
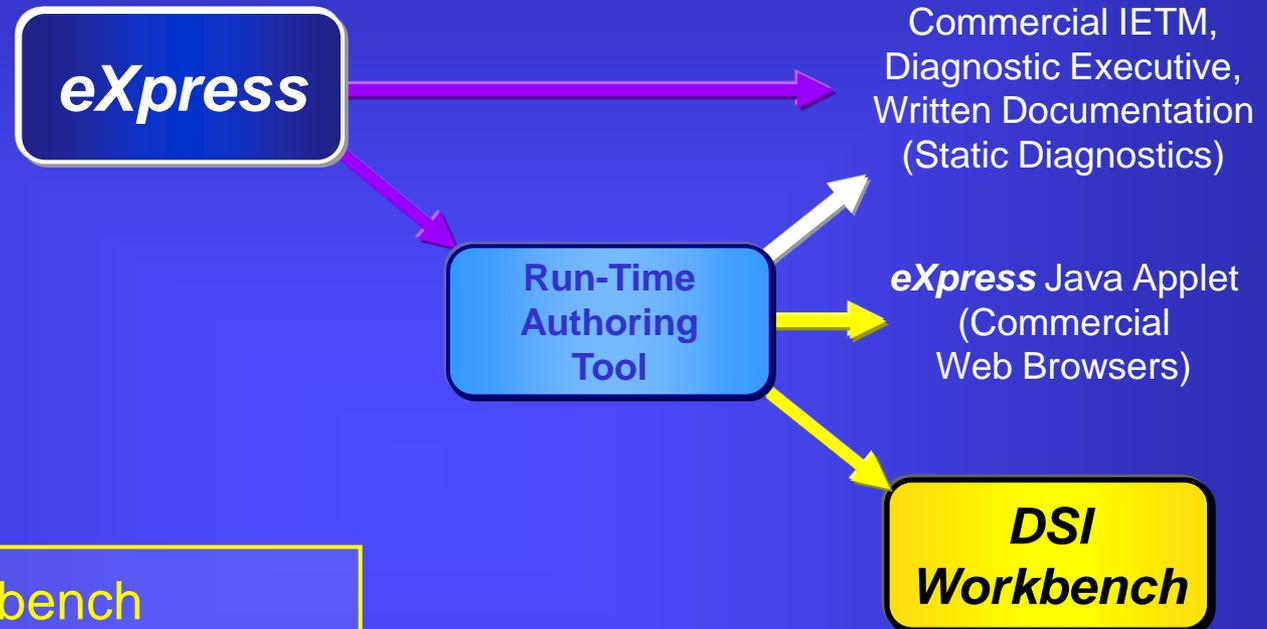
→ **DSI Workbench**

DSI Workbench

❖ Designed to be used by technicians

❖ Allows *eXpress* diagnostics to be deployed in production & maintenance environments

❖ Highly customizable (alternative design views, detachable/movable windows, automation options, test/repair procedures)

❖ Support for diagnostic sessions, health monitoring, integration with test equipment

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Select the *eXpress* design for export.

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Add any additional data to be used during diagnostics and maintenance.

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Calculate diagnostics within *eXpress.*

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Export the diagnostic design using the *eXpress* DiagML export.

eXpress Diagnostic Deployment – IETM Environment
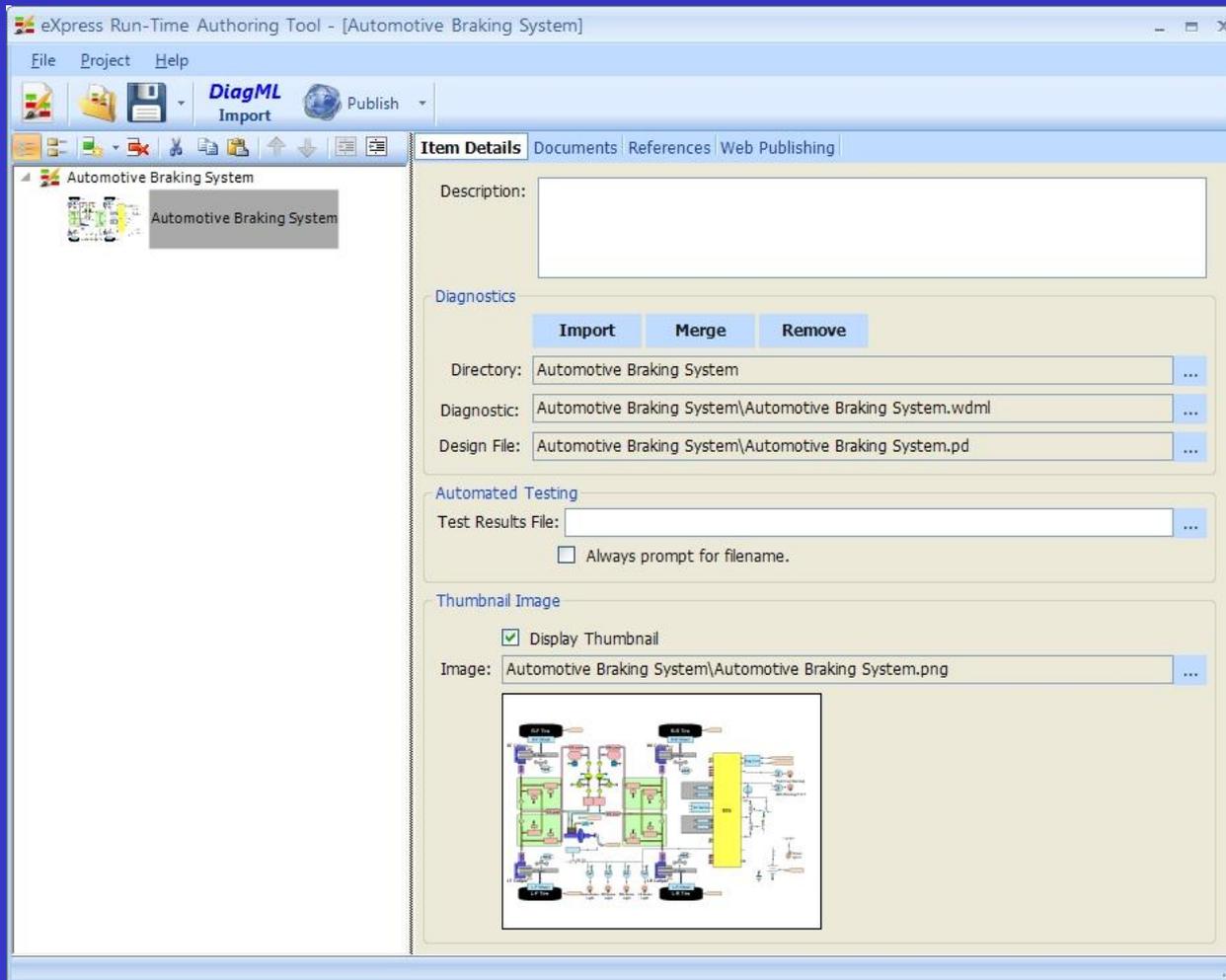
Import the DiagML data from *eXpress* into the Run-Time Authoring Tool.

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Attach documents as alternative views for DSI Workbench.

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Trace objects on the alternative views for mapping to design objects.

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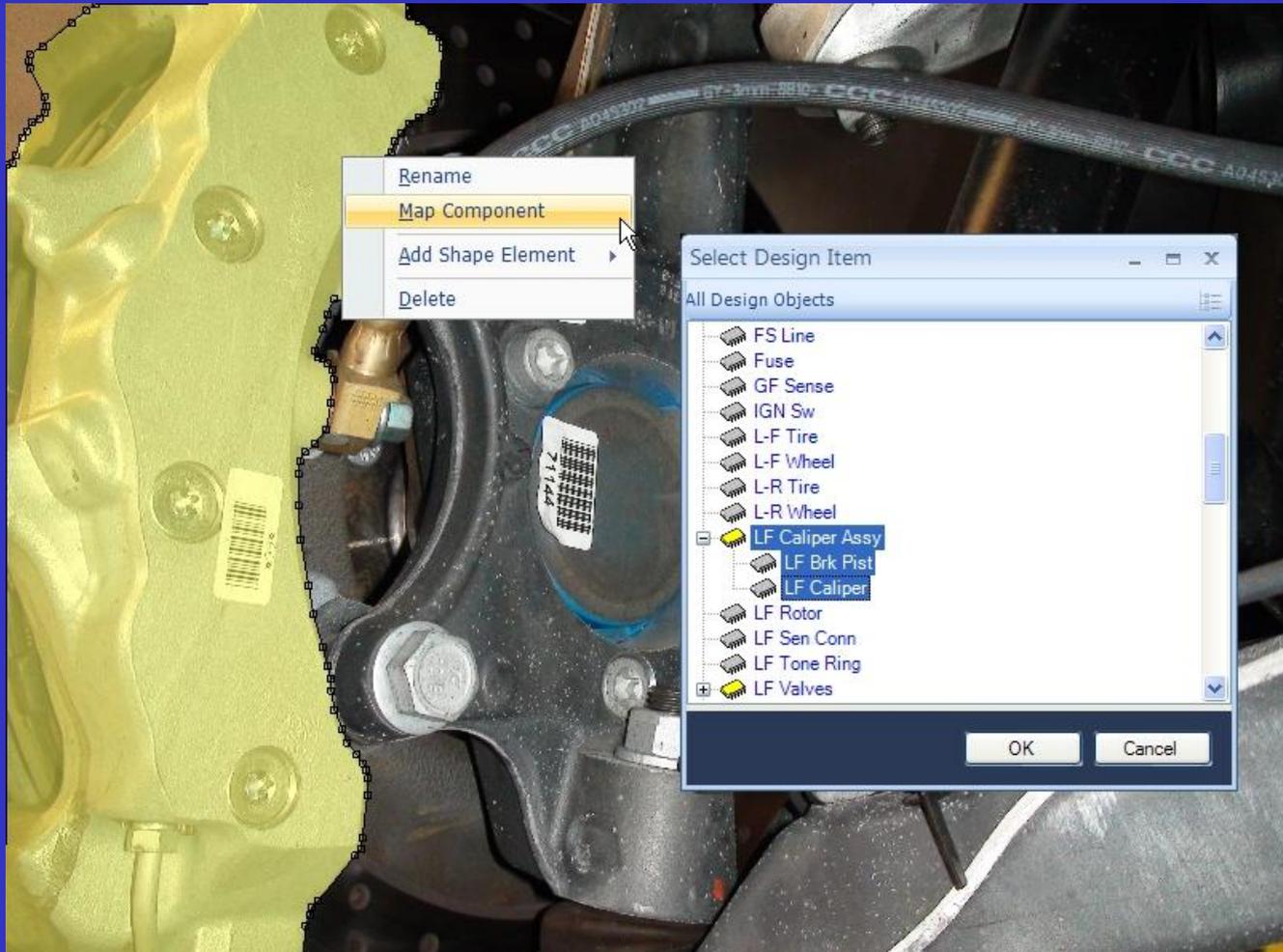
Map highlighted regions to the diagnostics by selecting
the corresponding object(s) in the design.

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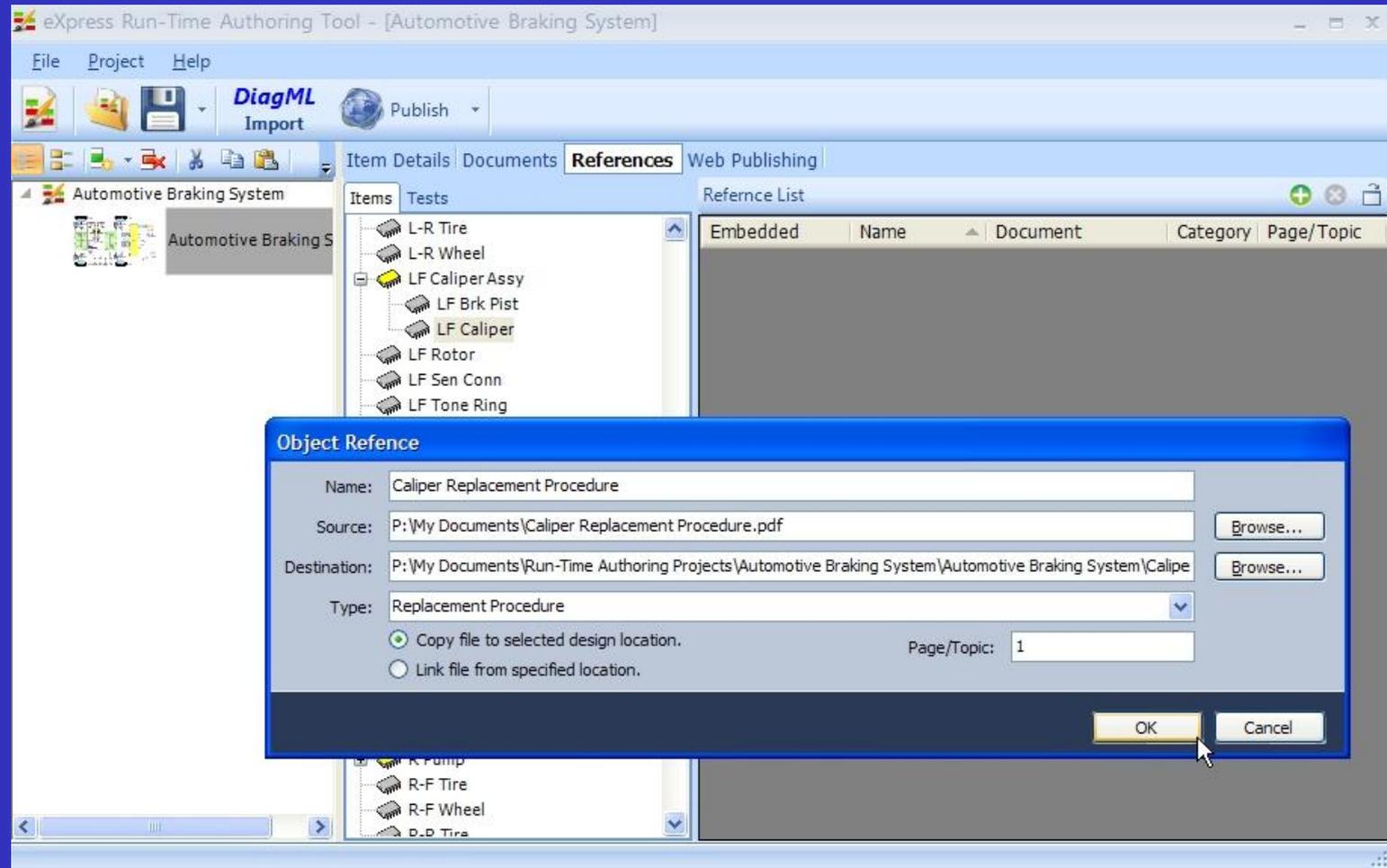
Add additional document and procedure references to objects and tests.

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View isolated fault within DSI Workbench.

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Select the repair or replacement procedure for the isolated fault group items.

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Open multiple views and design details windows in DSI Workbench.