

# Fuel injected UL

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# Agenda

- Fast/Unload in your online
- Fast/Unload recordset methods
- Fast/UnloadTask class and methods
- Live Demo



# Legacy Fuel injection (\$funload)

- FUEL
  - Fast Unload Extraction Language
- \$funload function lets Fast/Unload run in online environment
- Runs in separate subtask
- Uses a PST to communicate with online
- FUNTSKN limits number of concurrent requests



# Legacy Fuel injection (\$funload)

- FUEL program, report output, and unloaded data use OS DDs or \$lists
- Requests can be synchronous or asynchronous



# Fuel Injection Revisited

- RecordSet method provide similar functionality to \$funload
- But now we'll take advantage of many other Janus/SOAP features
- “Text to” keeps inline FUEL programs clearly readable
- Substitution can make FUEL code more dynamic
- StringLists make managing input and output data much easier



# Fast Unload O-O function

- FastUnload O-O function
  - Part of RecordSet class
- Mostly same parameters as \$funload
- Also allows 'maxtime' to set limit on completion of task, also set by FUNMAXT system parameter



# FastUnloadTask method

- Also a Recordset method, but creates an instance of a FastUnloadTask object
- FastUnloadTask class methods communicate directly with the active Fast/Unload task



# FastUnloadTask Methods

- CurrentRecord method returns copy of current OUTPUT statement from FUEL program into a longstring
- GetNextRecord method returns state of FastUnloadTask to and requests the next record from the unload
- Report function returns a stringlist with report data from a completed FastUnloadTask



# FastUnloadTask Methods

- State function returns enumeration indicating the status of a FastUnloadTask instance
  - States are Started, Done, and HaveRecord



# FastUnloadTask vs. FastUnload

- FastUnloadTask can alleviate resource consumption in online environment by limiting CCATEMP usage
- FastUnload tends to be more efficient since UL not necessary for each unloaded record
- FastUnload ties up Fast/Unload tasks for longer periods



# Coding example



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# Questions

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