

# **I Didn't Know You Could Submit COMS Commands from WFL!**

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2017 UNITE Conference

Session MCP 4056

Wednesday, 1 November 2017, 2:45 p.m.

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## **Submitting COMS Commands**

*Did you know* – that you can submit  
COMS commands from a WFL job –  
or an Algol program?

## The Ubiquitous KEYIN Program

- ◆ Almost every site has a KEYIN program
  - Uses the DCALGOL `DCKEYIN` API
  - Submits ODT commands and receives responses
  - Often used in WFL jobs to automate operations
- ◆ COMS has a similar capability
  - Program Agent Facility (PAF)
  - COMS library procedure `PA_REQUEST`
  - Accessible from Algol and (maybe) COBOL
  - *Requires a COMSCONTROL user or a PP-ed object*
- ◆ Two modes for submitting commands
  - Text strings
  - Encoded (binary) commands

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## COMS/KEYIN Utility Program

- ◆ Cloned from a DCKEYIN utility
- ◆ Input
  - String parameter
  - `CARD` file (used if string parameter is `"*"`)
- ◆ Output is to the `LINE` file (printer by default)
- ◆ Command format
  - Composed as you would for MARC Action Line
  - Multiple commands can be separated by `" ; "`
  - When reading from `CARD` file, each record boundary terminates a command – 80 characters max

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## Example

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```
BEGIN JOB COMS/TEST;
RUN OBJECT/UTIL/COMS/KEYIN(
  "DISABLE WINDOW ERP1; DISABLE WINDOW ERP2; " &
  "ENABLE WINDOW NITEOPS");

RUN OBJECT/UTIL/COMS/KEYIN ("*");
FILE LINE (DUMMYFILE);
DATA
ENABLE PROGRAM NYSPIN_ROUTER
ENABLE PROGRAM NYSPIN_WEBUSER
DISABLE PROGRAM NYSPIN_TCPIP
STATUS COMS; STATUS PHKHPA7
? END JOB
```

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## How to Get It

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- ◆ Visit the Paradigm Futilities project
  - <http://paradigmfutil.sourceforge.net/>
  - Download the ZIP file
  - Unzip SOURCE\UTIL\COMS\KEYIN.alg\_m
  - You may also like SOURCE\UTIL\KEYIN.dca\_m
- ◆ Reference
  - *Transaction Server for ClearPath MCP Programming Guide* (8600 0650)
  - Section 10, Program Agent Facility

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2017 MCP 4056 6