

# Dyalog User Commands Release Notes

## User Commands Version 2.01

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# 1 About This Document

This document describes the changes and new features in User Commands version 2.01 (released with the first release of Dyalog version 14.1) compared with User Commands version 2.00 (released with the first release of Dyalog version 14.0).

## 1.1 Compatibility with Dyalog Versions

The user command framework version 2.01 is compatible with all supported versions of Dyalog (that is, 13.2, 14.0 and 14.1), but requires SALT to be version 2.40 or greater (SALT version 2.40 is the version that is shipped with Dyalog version 14.0).

If you are using Dyalog version 13.2, then the user command `]UUpdate` can be used to upgrade SALT and user commands. The default behaviour of `]UUpdate` is to update within the user command framework major release. However, as the user command framework version 2.00 is a major change involving the renaming of many user commands and other behavioural changes, you must specify the `-version=2` modifier to explicitly request an upgrade to the user command framework version 2.01 (this will also upgrade SALT to version 2.42); not including this modifier will limit the upgrade to the latest update prior to this major version change, that is user command framework version 1.34 and SALT version 2.39.

You need to be running with administrator rights for the above command to succeed.

## 2 Functional Changes

This chapter details the changes made to User Commands for version 2.01.

### 2.1 General Changes

#### 2.1.1 String Delimiters in Help Information

When viewing the Help information for the predefined user commands, strings (for example, paths and file names) are now specified with " " characters as delimiters rather than <> characters.

#### 2.1.2 Tracing through a User Command's Help Function

With debugging enabled, specifying the "-" flag at the end of a user command call opens the Debugger with the code suspended on the first line of the Run function of the specified user command. This behaviour has been extended to cover the Help function of each user command. For example:

```

]UDebug on
Was OFF

]NamesLike -
Help[1]

```


The Debugger opens with the code suspended on Help[1].

### 2.2 Syntax Changes – User Commands

#### 2.2.1 New User Commands

Some new user commands have been added. These are detailed in Table 1.

**Table 1. New User Commands**

| Group | User Command | Description   |
|-------|--------------|---|
| FN    | FindOutput   | Detects where programs produce output without <code>□←</code> (indicates from which program and on which line)  |
| MISC  | Caption      | Allows a user to change the caption of various windows in the Session.<br> This user command only works on the Microsoft Windows operating system. |
| TOOLS | CopyReg      | Copies the registry settings between the specified installed Dyalog versions.   |

### 2.2.2 Changed User Commands

Some user commands have been changed. These are detailed in Table 2.

**Table 2. Changed User Commands**

| Group | User Command | Description  |
|-------|--------------|--|
| FILE  | Find         | Extended to search for the specified string in workspaces (.dws files only). |

## 2.3 Syntax Changes – Modifiers

### 2.3.1 New User Command Modifiers

New modifiers have been added to some user commands to enhance their functionality. These are detailed in Table 3.

**Table 3. New User Command Modifiers**

| Group | User Command  | New Modifier | Description of Modifier  |
|-------|---------------|--------------|--|
| FILE  | Edit          | -create      | Creates the specified file if it does not already exist.   |
| FN    | Defs          | -topdown     | Indents definitions to reflect the hierarchical tree structure.  |
| FN    | Align         | -recursive   | Applies the user command recursively through the namespace hierarchy beneath the current namespace.              |
| FN    | ReorderLocals | -recursive   |  |
| WS    | FnsLike       | -recursive   |  |
| WS    | VarsLike      | -recursive   |  |
| WS    | NamesLike     | -recursive   |  |
| WS    | Nms           | -recursive   |  |
| WS    | ObsLike       | -recursive   |  |
| WS    | Locate        | -name        | Displays the name of the program as well as the line number when the specified string is found in the namespace. |

### 2.3.2 Renamed User Command Modifiers

Some user command modifiers have been renamed to better describe their purpose. These are detailed in Table 4.

**Table 4. Renamed User Command Modifiers**

| Group | User Command | Old Modifier Name | New Modifier Name |
|-------|--------------|-------------------|-------------------|
| FN    | Defs         | -align            | -columns          |
| WS    | Locate       | -nobanner         | -nomessage        |

### 2.3.3 Changed User Command Modifiers

Some user command modifiers have been changed, for example, additional modifier values allowed. These are detailed in Table 5.

**Table 5. Changed User Command Modifiers**

| Group | User Command | Changed Modifier   |
|-------|--------------|--|
| ARRAY | Compare      | The <code>-exts</code> modifier has been renamed and its behaviour reversed; it is now the <code>-ts</code> modifier and it forces the comparison of function timestamps rather than excluding them. |
| FILE  | Compare      |  |
| FN    | Compare      |  |
| WS    | Compare      |  |