

# NATLOAD Direct Command Syntax

This section covers the following topics:

- General Information
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  - Examples of Direct Commands for NATLOAD in Batch Mode
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## General Information

The individual items within a "with-...-clause" or "where-...-clause" can be specified in any sequence.

The values following the keyword DIC in the "object-with-clause" and "ddm-with-clause" must be separated by commas. The commas must also be specified for omitted values; for example: DIC (10,,SECRET,12).

If the session parameter ID has been set to comma, use slashes (/) instead of commas as separators.

For error messages, the parameters FROM LIBRARY and NEWLIBRARY are only valid for user-defined messages, but not for Natural system messages.

For error messages, the default range of numbers is 1 to 9999.

For better readability, synonymous keywords are omitted from the syntax diagrams below. An underlined portion of a keyword represents an acceptable abbreviation.

Valid synonyms are:

Keyword	Synonym
DDM	<u>V</u> IEW
END	STOP
	QUIT
	FIN
	.
FROM	FM
PASSWORD	PSW

## NATLOAD Syntax Diagrams

Below is information on:

- Loading/Scanning the Entire Work File
- Loading/Scanning Programming Objects only
- Loading/Scanning DDMs only
- Loading/Scanning Error Messages only
- Loading/Scanning Programming Objects, DDMs and Error Messages
- object-where-clause
- object-with-clause
- ddm-where-clause
- ddm-with-clause

- message-where-clause
- message-with-clause

## Loading/Scanning the Entire Work File

```
NATLOAD { LOAD
          SCAN } [ REPLACE ] [ DELETE-ALLOWED ] [ PC ]
```

## Loading/Scanning Programming Objects only

```
NATLOAD [ LOAD
          SCAN ] [ EXCEPT ] { ALL
                              SAVED
                              CATALOGED }
      [ object-name [ FROM [ LIBRARY ] library-name ]
      [ object-where-clause ] [ object-with-clause ] ]
```

## Loading/Scanning DDMs only

```
NATLOAD [ LOAD
          SCAN ] [ EXCEPT ] DDM
      [ ddm-name
      [ ddm-where-clause ] [ ddm-with-clause ] ]
```

## Loading/Scanning Error Messages only

```
NATLOAD [ LOAD
          SCAN ] [ EXCEPT ] ERROR { ALL
                                    USER
                                    NATURAL } { BOTH
                                                SHORT
                                                LONG
                                                HELP }
      [ start-error-number ] [ TOERR end-error-number ]
      [ FROM [ LIBRARY ] library-name ]
      [ message-where-clause ] [ message-with-clause ]
```

## Loading/Scanning Programming Objects, DDMs and Error Messages

```

NATLOAD  [ LOAD ] [ SCAN ] [ EXCEPT ] { ALL
                                             SAVED
                                             CATALOGED } object-name

[ FROM [ LIBRARY ] library-name ]
[ object-where-clause ] [ object-with-clause ]
[ DDM ddm-name [ WHERE ] [ DDMDBID dbid ] [ DDMFNR fnr ]

[ ERROR { ALL
          USER
          NATURAL } { BOTH
                     SHORT
                     LONG
                     HELP }

[ start-error-number ] [ TOERR end-error-number ]
[ WHERE ] [ LANGUAGE language-codes ]

```

### object-where-clause

```

[ WHERE ] [ DBID dbid ] [ FNR fnr ] [ NAME vsam-name ] [ CIPHER cipher-key ]
[ PASSWORD password ] [ NEWLIBRARY library-name ]

```

### object-with-clause

```

[ WITH ]
[ DELETE-ALLOWED ] [ DIC ( dbid, fnr, password, cipher-key ) ] [ NUMBER number ]
[ FMDATE date ] [ TODATE date ] [ FMTIME time ] [ TOTIME time ]
[ TID terminal-id ] [ TYPE object-types ] [ USER-ID user-id ] [ XREF xref-setting ] [ PC ]
[ REPLACE ] [ CHECK-DATE ]

[ VERSIONCHECK ]

```

### ddm-where-clause

```

[ WHERE ] [ DDMDBID dbid ] [ DDMFNR fnr ] [ DBID dbid ] [ FNR fnr ]

```

**ddm-with-clause**

```
[ WITH ] [ DELETE-ALLOWED ]
[ DIC ( dbid,fnr,password,cipher-key ) ]
[ NUMBER number ] [ PC ] [ REPLACE ]
```

**message-where-clause**

```
[ WHERE ]
[ DBID dbid ] [ FNR fnr ] [ NAME vsam-name ] [ CIPHER cipher-key ]
[ PASSWORD password ] [ LANGUAGE language-codes ]
[ NEWLIBRARY library-name ]
```

**message-with-clause**

```
[ WITH ]
[ DELETE-ALLOWED ] [ PC ] [ REPLACE ]
```

**Examples of Direct Commands for NATLOAD in Batch Mode**

In this example, all programming objects with target library LIB1 are loaded from the work file.

```
NATLOAD ALL * FM LIB LIB1
```

In this example, NATLOAD is placed in a separate line, and commas instead of blanks are used as separator characters. Apart from that, the example is identical to the previous one.

```
NATLOAD
ALL,*,FROM,LIB,LIB1
```

In this example, all programming objects whose names begin with MAINEX and with target library SYSEXT are loaded from the work file and into File Number 10 on Database 32. This example also shows the use of the continuation indicator (%) for a parameter string that is longer than a single line.

```
NATLOAD
ALL,MAINEX*,FROM,LIBRARY,SYSEXT,WHERE%
FNR,10,DBID,32
```

In this example, all programming objects whose names begin with A and all DDMs are loaded from the work file. Older programming objects/DDMs of the same names will be replaced in the target system files.

```
NATLOAD LOAD ALL A* REPLACE CHECK-DATE DDM *
```

In this example, all DDMs on the work file are scanned.

**NATLOAD SCAN DDM**