

# Natural Security In Batch Mode

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## General Information on Batch Mode

Before you use Natural Security in batch mode, you should be familiar with the general considerations concerning the use of Natural in batch mode as described in your Natural Operations documentation.

Please also observe the batch-mode particularities of the underlying operating system.

If you want to process a job in batch mode under Natural Security, the Natural system variable \*DEVICE must set to BATCH.

## Logon in Batch Mode

When you use Natural Security in batch mode, the logon procedure is started automatically. Input for the LOGON command must be provided as follows:

**On mainframes in delimiter mode (IM=D), and on all other platforms:**

```
%*  
library-ID,user-ID,password
```

**On mainframes in forms mode (IM=F):**

```
library-ID user-ID  
%*  
password
```

In forms mode, the *library-ID* must be 8 bytes long; if it is less than 8 characters long, the remaining bytes must be filled with blanks.

The input mode on mainframes is set with the Natural profile parameter IM (which is described in the Natural Reference documentation).

The specification of "%\*" will prevent the password from being printed.

If the logon procedure is to be initialized via dynamic parameters, the LOGON command must be specified with the profile parameter STACK as follows:

```
STACK=(LOGON library-ID user-ID password)
```

**Note:**

Under Windows 98/NT/2000 in batch mode, the map LOGONM1 instead of the dialog box GLOGONM1 is displayed as logon screen.

## Password Change in Batch Mode

To change the password in batch mode, input for the LOGON command must be provided as follows:

**On mainframes for delimiter mode (IM=D), and on all other platforms:**

```
%*
library-ID,user-ID,password,new-password
%*
,,,new-password
```

**On mainframes for forms mode (IM=F):**

```
library-ID user-ID
%*
password new-password
%*
new-password
```

For forms mode, *library-ID* and *password* must be 8 bytes long; if they are shorter, the remaining bytes must be filled with blanks. The *new-password* in the last line must be preceded by 8 blanks.

## Automatic Logon in Batch Mode

If you use automatic logon (Natural profile parameter AUTO=ON) in batch mode, the batch job name will be taken as user ID. This batch job name must be defined as a user to Natural Security. A logon with a user ID other than the batch job name will not be possible.

## Batch User Security Profiles

In addition to creating security profiles for users of types "A", "P", "M", "G" and "T", you can also create user security profiles of type "B" (for "batch"). They are created in the same way as other user security profiles (see Adding a New User in the section User Maintenance) You can then enter the user ID of such a batch user in the field "Batch User ID" of a user security profile.

Before a batch user ID can be entered in a user security profile, a security profile for this batch user ID must have been defined.

Several users may share the same batch user ID; that is, the same batch user ID can be entered in the security profiles of several users. Thus, the same conditions of use can apply to several users in batch mode, and these conditions have to be defined only once.

A batch user ID cannot be used for a logon in online mode.

In batch mode, a user logs on with his/her "normal" user ID and password. Natural Security will then use the batch user ID specified in the user's security profile, and the conditions of use defined for that batch user ID will apply.

If no batch user ID is specified in the user's security profile, the "Privileged Groups" specified in the user's security profile will be checked (in order of entry) for a batch user ID. If none of the Privileged Groups has a batch user ID either, the user's own user ID will be used.

A batch user profile cannot be linked directly to a library, it must be linked via a GROUP; that is, it must be contained in a GROUP, and the GROUP be linked to the library.

## **Startup Transaction in Batch Mode**

When you log on to a library in batch, the setting of the switch "Batch execution" in the library security profile determines whether the startup transaction specified in the library security profile will be executed or not. See Transactions under Components of a Library Profile in the section Library Maintenance for details.

## **Mailboxes in Batch Mode**

When you log on in batch mode, mailboxes are not displayed.