

# Using Online Services with Natural Security

Adabas Fastpath Online Services is designed so that functions can optionally be secured by Natural Security. The modules are written exclusively in Natural and each module name conforms to the following format:

*Flnnnnta*

where

<i>l</i>	is the language type (initially with a value of "1" for English).
<i>nnnn</i>	is the module number.
<i>t</i>	is the module type (for example, P for program, S for subroutine).
<i>a</i>	is a further qualifier (for example, where several maps are used).

The Natural modules for Adabas Fastpath Online Services are supplied in two libraries: SYSAFP and SYSMWvrs. Thus, each new system maintenance level introduces a new library name.

The modules that control the version library are supplied in SYSAFP and everything else is supplied in the version library SYSMWvrs.

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## Security Table

The following table lists all the Adabas Fastpath Online Services functions, objects, and subfunctions, together with the names of the Natural objects that perform the function. You can use this list to apply Natural Security on a function level, if required.

Function	Object	Subfunction	Program	Command
Versioning	Menu (on SYSAFP)		Menu	MENU (on SYSAFP)
Main	Menu (on SYSMWvrs)		Menu	MENU (on SYSMWvrs)
	LFILE Maintenance		F10000P	0

Function	Object	Subfunction	Program	Command
Parameter Maintenance	Menu		F11000P	1
	Buffer	List	F11100P	1.1
		Add	F11110P	1.1.1
		Modify	F11120S	Not possible
		Display	F11130S	
		Purge	F11140S	
		Rename	F11150S	
		Copy	F11160S	
	File	List	F11200P	1.2
		Add	F11210P	1.2.1
		Modify	F11220P	1.2.2
		Display	F11230S	Not possible
		Purge	F11240S	
		Copy	F11260S	
	Job		F11300P	1.3
		Add	F11310P	1.3.1
		Modify	F11320S	Not possible
		Display	F11330S	
		Purge	F11340S	
		Rename	F11350S	
		Copy	F11360S	
Current Buffer Statistics and Interaction	Menu		F12000P	2
	Buffer	Display	F12100P	2.1
	Database		F12200P	2.2
	File		F12210P	2.2.1
	Set Summary		F12220P	2.2.2
	File Sets		F12230P	2.2.3
	Database		Stop/Start	F12260S
	File	F12240S		
	File Sets	F12250S		
	Job	Display	F12300P	2.3
		Stop/Start	F12310S	Not possible
	System Jobs	Display	F12400P	2.4

Function	Object	Subfunction	Program	Command
Buffer History	Menu		F13000P	3
	List	Display	F13100S	Not possible
			F13110S	
Purge	F13120S			
AFPCMD	Menu		F14000P	4
Special Services	Menu		F15000P	5
	Buffer	Menu	F15100P	5.1
	Database Local	Menu	F15200P	5.2
		Menu	F15300P	5.3
		Zap	F15310S	Not possible
		Reconnect	F15320P	5.3.2
AFPLOOK	Menu		F16000P	6
	Start		F16100P	6.1
	Display	File List	F16200P	6.2
		File	F16210P	6.2.1
		Summary	F16300P	6.3
	Stop		F16400P	6.4
	Release		F16500P	6.5
About Fastpath	List Messages		F17000P	7

Function	Object	Subfunction	Program	Command
AFPCMD	Menu		AFPCMDF18000P	AFPCMD
	List	Job	F18110P	Not possible
		Database	F18120P	
		File	F18130P	
		Set	F18140P	
		Summary	F18150P	
	Display	Buffer	F18280P	
		Job	F18210P	
		Database	F18220P	
		File	F18230P	
		Set	F18240P	
		Summary	F18250P	
		AFPLOOK	F18290P	
		Trace	F18270P	
		All	F18260P	
	Stop/Restart	Buffer	F18510P	
	Stop/Start	Job	F18520P	
		Database	F18530P	
		File	F18540P	
	Parms	Buffer	F18310P	
		Job	F18320P	
		File	F18330P	

## Security Subprogram

The Natural subprogram U1SECSN1 is called to check security prior to the execution of various functions. This subprogram is supplied in source form on the Natural library SYSAFP to allow user-controlled extension of security checking for specific objects.

U1SECSN1 is called at specific places within the system whenever an action is about to take place. If the return code is not hexadecimal FF, error number 68 is displayed.

This subprogram is not intended for function checking where Natural Security can be successfully used.

The following table illustrates the security possibilities:

Type	Action	Name	SVC	DBID	FNR	Type
Buffer	Add Modify Purge Services	Buffer Name				
File and File Sets	Add Modify Purge Services	Buffer Name	Optional	Yes	Yes	
Job	Add Modify Purge Services	Job Name				Job Type
AFPADA	Services AFPLOOK		Optional	Yes		

**Note:**

Software AG accepts no responsibility or liability for the effect of user changes on the subprogram U1SECSN1.