

# Parameters of Palo.exe

The Palo parameters have a short and a long form. On the command line, the short form has one dash (-) in front; the long form has two dashes (- -) in front. Examples: palo -? / palo - -help.

Palo.exe gets these parameters as command line arguments and/or via the palo.ini file .

Please see [Order of command execution](#) at the end of this document.

In the file ...\\jedox Suite\\olap\\data\\palo.ini.sample you can find descriptions and examples of how to use parameters in the palo.ini.

Short form	Long form	Argument(s)	Description / Example(s)	Default value
?	help		Displays the parameters of palo.exe. Only for command line. On/off switch.	False
a	admin	<address> <port>	Http interface with server browser and online documentation. An address can be a server name, an internet address or "" for all server internet addresses. Port is a number: admin 192.168.1.2 7777 admin localhost 7770 admin "" 7778	
A	auto-load		Loads all databases on server start into memory which are defined in the palo.csv. On/off switch.	True
b	cache-barrier	<max number of cells to store in each cube cache>	Sets the max number of cells to store in each cube cache. cache-barrier 15000 cache-barrier 0 (sets cache-barrier to 0).	10000
B	auto-commit		Commits all changes on server shutdown. On/off switch.	True
c	crypt		Turns on encrypting of the database files. Newly saved files are encrypted if this is set using the Blowfish algorithm. On/off switch.	False
C	chdir		Only for command line. On/off switch.	True
d	data-directory	<directory>	Only for command line.	./Data
D	add-new-databases		Tries to add directories with OLAP database automatically and adds them to palo.csv. On/off switch.	True
e	windows-ss0		Enables Windows SSO authentication. On/off switch.	False
E	extensions	<directory>		../Modules

f	fake-session-id		Generates test-session id 0000. On/off switch. <b>DO NOT USE IN A PRODUCTION SYSTEM, ONLY FOR DEBUGGING!</b>	False
F	friendly-service-name	<service-name>		
g	cross-origin	<domain_name>		
G	dump-upload		On/off switch.	Disabled
h	http	<address> <port>	Examples for http interface: http "" 7777 http "" 7779 http localhost 7779 See description of <a href="#">admin</a> parameter above.	
H	https	<port>	Sets https connection port: https 7778	
i	init-file	<init-file>	Only for command line.	palo.ini
I	ignore-journal			False
j	device	<bus_id0>.<device_id0> <bus_id1>.<device_id1> ...	All available devices	Empty vector
J	no-csv-save		Turns off saving of CSV files for cubes whenever possible. Only BIN files are saved. Reduces time needed for saving. <b>The option "no-csv-save" should not be used in a production system!</b>	False
k	crypt-key	<passphrase for crypting csv files>	Sets pass phrase used for encrypting/decrypting of the database files. It is used also for decrypting, so it has to be set if there are any encrypted files in the database (even when encrypting is off ). Blowfish algorithm supports keys of up to 448 bytes in length.	Empty string
K	key-files	<ca> <private> <dh>		Empty vector
l	maximum-return-cells	<number>	Sets a maximum limit for cells return from an area call: maximum-return-cells 10000	20000
L	splash-limit	<error> <warning> <info>	Splashing limits in megabytes: Generates an error if splashing requires more space than the first number. Generates a warning entry if splashing requires more space than the second number. Generates an info entry if splashing requires more space than the third number. splash-limit 2000 1000 200	1000, 500, 100
m	undo-memory-size	<number of bytes per lock>	In a locked cube area it is possible to undo changes. Each lock can use <number of bytes per lock> bytes in memory for storing changes: undo-memory-size 10000000	10 * 1024 * 1024
M	session-timeout	<seconds>	Specifies the idle time after which the session is closed: session-timeout 3600	-1 (300s)
n	load-init-file		Only for command line. On/off switch.	True
N	engine-configuration	[M][S][1][E]	M - force engine to use Marker Driven Engine for rules with markers (5.1 algorithm) S - force engine to use statically created markers (5.1 algorithm) 1 - single core calculation (5.1 algorithm) E - suppress rule error propagation across consolidation (5.1 algorithm)	
o	log	<logfile> or syslog://<address:port>	log - (Log to stdout /default) log + (Log to stderr) log /var/log/palo.log (Log to a file)	-
O	amazon-id			False
P	password	<private-password>	On/off switch.	
P	enable-gpu		On/off switch.	False
q	service-description	<service-description>		



Q	autosave	<mode> <hour>:<minute> possible modes: T L	Autosaves all the databases at an exact time once a day: autosave T HH:MM (autosave T 02:00). Autosaves cyclically all the databases when a given amount of time elapses: autosave L HH:MM (autosave L 10:10)	Disable, 0, 0
r	short-sid		On/off switch.	False
R	default-db-right	<right value>	Default value for database access rights. Possible values: N, R, W, D.	D
s	start-service		On/off switch.	False
S	service-name	<service-name>		
t	template-directory	<directory>	Directory of online documentation: template-directory Binary/Api.	../Api
T	trace	<trace-file>		Empty string
u	undo-file-size	<number of bytes per lock>	In a locked cube area it is possible to undo changes. Each lock can use <number of bytes per lock> bytes in files for storing changes: undo-file-size 100000000	50 * 1024 * 1024
U	ignore-cell-data		On/off switch.	False
v	verbose	<level>	Log levels: error (default), warning, info, debug, trace	Error
V	version		Only for command line. On/off switch.	False
w	worker	<worker-executable> <argument1> <argument2> <argumentX>	worker /usr/bin/php5 / home/palo/worker.php	Empty string empty vector
W	use-dimension-worker		Uses dimension worker. Can react on creation, deletion, and renaming of an element in a specified dimension. On/off switch.	False
x	workerlogin	<worker-login-type>	Uses a worker for login Possible values: -information -authentication -authorization Example: workerlogin authorization	None
X	encryption	<encryption-type> possible values: -optional -required	Sets the encryption type. If optional is selected, then you can use HTTPS. If required is selected, then only /server/info will function unencrypted. All other functions require a HTTPS connection. If encryption is turned on, TLS 1.2 is used for communication.	None
y	enable-drillthrough		Enables cell drillthrough. On/off switch.	False
Y	use-cube-worker		Uses cube worker. Can react on cell value changes. On/off switch.	False
z	goalseek-timeout	<milliseconds>	Algorithm must complete within <milliseconds>.	10000
Z	goalseek-limit	<number_of_cells>	Goalseek algorithm can be executed on slices with maximum <number_of_cells>.	1000
(	ntlm_auth	<path to ntlm_auth with helper arguments>		"/usr/bin/ntlm_auth -helper-protocol =gss-spnego"
)	wbinfo	<path to wbinfo>		"/usr/bin/wbinfo"
[	gzip	<level>	level values: 0-9 0 - no compression 1 - fastest compression 9 - smallest gzip size	Disabled

]	zip-backup	<level>	level values: 0-9 0 - no compression 1 - fastest compression 9 - smallest zip size
{	audit-blocksize	<number>	maximum number of rows returned for simple audit mode
}	windows-ss0-authentication		
<	no-archives		Turns off saving of .archive files for cubes.
1	audit		Disabled
2	dump-upload-reporter	<email-address>	""
3	dump-upload-desc	<description>	""
4	enable-profiling		On/off switch. False
5	profile-interval	<seconds>	60
6	gpu-data-storage	<G> or <R>	G for GPU RAM, or R for RAM
7	gpu-frame-size	<number>	size of GPU computation frame in megabytes

## Order of command execution

A comment starts with a “#” sign in palo.ini. The command line arguments are evaluated first, and the file palo.ini is evaluated after the command line arguments have been processed. If you start palo with -n or -load-init-file on the command line, then the init file is not read. The load-init-file option is ignored if given in the configuration file. Parameters without additional parameters like “auto-load” or “auto-commit” toggle a state from “true” to “false” and vice versa. You can declare a “toggle” parameter more than once. If parameters with additional parameters like “worker” or “workerlogin” are given more than once on the command line or the configuration file only the last definition is valid. The parameters “admin” and “http” are treated specially. All the definitions supplied on the command line or in the init file are used. For example: the default of “add-new-database” is true (see palo -?). If you supply -add-new-database on the command line but not in the configuration file, then the option will be set to false. If you supply add-new-database in the configuration file but not on the

command line then the option will also be set to false. If you supply --add-new-database on the command line and in the configuration file, then the option will be true again, as it is toggled twice.

The option "workerlogin" has one additional argument. If you supply workerlogin on the command line and in the configuration file, then the value supplied in the configuration will be taken. If the http option is supplied for port A on the command line and for port B in the configuration file, then both ports A and B are used.

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