

READLOG

READLOG action

Function

The action ensures the loading of logs from the [log database](#) on the basis of input parameters.

Declaration

```
READLOG name, descript, person, oldValue, newValue, comment, priorities,  
types, bt, et, forObject, logdata, maxrows, retCode [, refToLG1, ...]
```

Parameters

n a m e	in	Identifier of the <i>String</i> type - represents the condition for records loading. It loads only records with the attribute "Name" <i>whose description matches</i> the mask which is entered in the parameter name . If the input value is invalid, this condition is ignored.
d e s c r i p t	in	Identifier of the <i>String</i> type - represents the condition for records loading. It loads only records with the attribute "Description" <i>whose description matches</i> the mask which is entered in the parameter descript . If the input value is invalid, this condition is ignored.
p e r s o n	in	Identifier of the <i>String</i> type - represents the condition for records loading. It loads only records with the attribute "User" <i>whose description matches</i> the mask which is entered in the parameter person . If the input value is invalid, this condition is ignored.
o l d V a l u e	in	Identifier of the <i>String</i> type - represents the condition for records loading. It loads only records with the attribute "Old value" <i>whose description matches</i> the mask which is entered in the parameter oldValue . If the input value is invalid, this condition is ignored.
n e w V a l u e	in	Identifier of the <i>String</i> type - represents the condition for records loading. It loads only records with the attribute "New value" <i>whose description matches</i> the mask which is entered in the parameter newValue . If the input value is invalid, this condition is ignored.
c o m m e n t	in	Identifier of the <i>String</i> type - represents the condition for records loading. It loads only records with the attribute "Cause of event" <i>whose description matches</i> the mask which is entered in the parameter comment . If the input value is invalid, this condition is ignored.
p r i o r i t i e s	in	Identifier of the <i>Int</i> type - represents the condition for records loading. It loads only records with the attribute "Priority" <i>whose description matches</i> at least one type of priority which is encoded into the parameter priorities by a sum of values of the predefined variables _LOG_PRTY_* . If the input value is invalid, this condition is ignored, otherwise the value must be different from 0.
t y p e s	in	Identifier of the <i>Int</i> type - represents the condition for records loading. It loads only records with the attribute "Event type" <i>whose description matches</i> at least one type of event which is encoded into parameter types by a sum of values of predefined variables _LOGF_* . If the input value is invalid, this condition is ignored, otherwise the value must be different from 0.
b t , e t	in	Identifiers of the <i>AbsTime</i> type - defines a time interval for records selection (if bt > et , the action generates the error _ERR_RANGE_ERROR).
f o r O b j e c t	in	Reference to object - if the current value of parameter is non-associated alias, the parameter is ignored. If parameter contains the reference to a real object in system, the records concerning only entered object will be read, the parameters name , descript , person , oldValue , newValue , comment , priorities , types a [, retToLG1, ...] will be ignored (similar to how it is in the setting of system logging).

log data	output	Identifier of entire structure - the structure must contain exactly 9 columns. The types and meaning of the columns: <table><tr><td>NAME</td><td>Text</td></tr><tr><td>LOG_TIME</td><td>Absolute time</td></tr><tr><td>TYP</td><td>Integral</td></tr><tr><td>PERSON</td><td>Text</td></tr><tr><td>DESCRIPT</td><td>Text</td></tr><tr><td>OLD_VALUE</td><td>Text</td></tr><tr><td>NEW_VALUE</td><td>Text</td></tr><tr><td>COMMENT</td><td>Text</td></tr><tr><td>PRIORITY</td><td>Integral</td></tr></table>	NAME	Text	LOG_TIME	Absolute time	TYP	Integral	PERSON	Text	DESCRIPT	Text	OLD_VALUE	Text	NEW_VALUE	Text	COMMENT	Text	PRIORITY	Integral
NAME	Text																			
LOG_TIME	Absolute time																			
TYP	Integral																			
PERSON	Text																			
DESCRIPT	Text																			
OLD_VALUE	Text																			
NEW_VALUE	Text																			
COMMENT	Text																			
PRIORITY	Integral																			
max rows	in	Identifier of the <i>Int</i> type - maximum rows to be written into logdata .																		
return code	output	Identifier of the <i>Int</i> type - result of action (see predefined local variables) _ERR_TRANS_IGNORED - a detail text description is written in predefined local variable. _ERR_MSG_ERR_NO_ERROR - the action ended with no error. _ERR_MORE_DATA - the action ended with warning (it is not the error) - there is more records in log database as it was set by parameter maxrows (or number of rows for recording into logdata exceeded a system limit).																		
[, ref TO LOG 1, ...]	in	References to objects of the <i>logical group</i> type or non-associated alias (SET AS action) - variable number of parameters (maximum 15 logical groups) that limits the log selection for recording into logdata on the basis of the assignment into logical groups (through OR). If it concerns an unassigned alias, the action ignores it and does not announce the error.																		

Example

<pre> RECORD NOALIAS (SD.LogData) _data INT _retCode </pre>
<pre> TEXT _name TEXT _descript TEXT _person TEXT _oldValue TEXT _newValue TEXT _comment INT _priorities INT _types </pre>
<pre> TEXT _errMsg </pre>
<pre> TIME _bt TIME _et ALIAS _forObject INT _maxRows </pre>

```
_name := "System*"
_descript := 1 ;it sets on INVALID => it does not filtrate
_person := 1 ;it sets on INVALID => it does not filtrate
_oldValue := 1 ;it sets on INVALID => it does not filtrate
_newValue := ""
_comment := 1 ;it sets on INVALID => it does not filtrate
_priorities := _LOG_PRTY_INFO + _LOG_PRTY_WARNING + _LOG_PRTY_ALARM
_types := "" ;it sets on INVALID => it does not filtrate
```

```
_et := SysTime
_bt := %SubTime(_et, 3600)
_maxRows := 10000

READLOG _name, _descript, _person, _oldValue, _newValue, _comment,
_priorities, _types, _bt, _et, _forObject, _data, _maxRows, _retCode
```

```
_errMsg := _ERR_MSG ;text of error, if _retCode = _ERR_TRANS_IGNORED
```



Related pages:

[Script actions](#)
[LOG](#)
[LOGEX](#)