

# Log Database

## D2000 VBApi - Log database

Contents of the [log database](#) of the D2000 System may be browsed in two ways:

1. Records for one (particular) object.
2. Records for objects, that match the given mask and describe the particular type of action.

To get the records of one object, call the function **VBApiGetLogByObject**.

### Declaration

```
Declare Sub VBApiGetLogByObject Lib "vbapi.dll" Alias "_GetLogByObject@24"
  (Arr() As VBApi_TLogRec, ByRef name As String, ByRef bt As Date, ByRef et
  As Date, ByRef bCompleted As Long, ByRef ok As Long)
```

### Parameters

<b>Arr</b>	Array of log database records of <a href="#">VBApi_TLogRec</a> .
<b>name</b>	Name of object (must be opened by the function <a href="#">VBApiOpenObject</a> ).
<b>bt</b>	Begin time of the interval for record selection.
<b>et</b>	End time of the interval for record selection.
<b>bCompleted</b>	Attribute, whether the array <i>Arr</i> contains all required records.
<b>ok</b>	Return value - call success.

### Return value

Value of the parameter *ok*.

Return code	Meaning
0	Call successful.
1	Incorrect object name.
2	No logged on user.
3	Invalid parameters.
4	Internal error.

### Note

If the parameter *bCompleted* = 1 (data not completed - too much data), to get the remaining data it is necessary to call the function again with changed time *bt* according to the last record in the array *Arr*.

To get records of the objects that match the name mask and also describe some type of action, call the function **VBApiGetLogByGroup**.

### Declaration

```
Declare Sub VBApiGetLogByGroup Lib "vbapi.dll" Alias "_GetLogByGroup@28"
  (Arr() As VBApi_TLogRec, ByRef mask As String, ByRef groups As Long, ByRef
  bt As Date, ByRef et As Date, ByRef bCompleted As Long, ByRef ok As Long)
```

### Parameters

<b>Arr</b>	Array of log database records of <a href="#">VBApi_TLogRec</a> .
<b>mask</b>	Object name mask.

<b>groups</b>	<p>Action type. Action type is given by a number, that is the sum of the following constants:</p> <table> <tr> <th>Constant</th><th>Action type</th></tr> <tr> <td>Public Const Type_Alarm_Log = 1</td><td>Alarms</td></tr> <tr> <td>Public Const Type_System_Log = 2</td><td>System</td></tr> <tr> <td>Public Const Type_Proces_Log = 4</td><td>Process</td></tr> <tr> <td>Public Const Type_Kom_Log = 8</td><td>Kom</td></tr> <tr> <td>Public Const Type_Operator_Log = 16</td><td>Operator's interventions</td></tr> <tr> <td>Public Const Type_EventMsg_Log = 32</td><td>Events</td></tr> <tr> <td>Public Const Type_LogonLogoff_Log = 64</td><td>Log On/Off</td></tr> <tr> <td>Public Const Type_ManualEntry_Log = 128</td><td>Manual intervention</td></tr> <tr> <td>Public Const Type_ChangeValue_Log = 256</td><td>Spontaneous value change</td></tr> <tr> <td>Public Const Type_PostMortemData_Log = 412</td><td>Time recorder</td></tr> </table>	Constant	Action type	Public Const Type_Alarm_Log = 1	Alarms	Public Const Type_System_Log = 2	System	Public Const Type_Proces_Log = 4	Process	Public Const Type_Kom_Log = 8	Kom	Public Const Type_Operator_Log = 16	Operator's interventions	Public Const Type_EventMsg_Log = 32	Events	Public Const Type_LogonLogoff_Log = 64	Log On/Off	Public Const Type_ManualEntry_Log = 128	Manual intervention	Public Const Type_ChangeValue_Log = 256	Spontaneous value change	Public Const Type_PostMortemData_Log = 412	Time recorder
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If the parameter *bCompleted* = 1 (data not completed - too much data), it is necessary to call the function repeatedly with the changed time *bt* according to the last record in the array *Arr* to get the remaining data.



#### Related pages:

[D2000 VBApi](#)