

# SYSTEMVAR\$

SYSTEMVAR\$ reads or sets [Quaestor](#) system variables

## Syntax

1. SYSTEMVAR\$(VarName\$)
2. SYSTEMVAR\$(VarName\$, Setting\$)

### Arguments

- VarName\$ is the name of the [Quaestor](#) system variable. The string value should be between quotes and is not case sensitive. Every [Quaestor](#) system variable can be read. Of some variables also a value can be set (see remarks below for all variables).
- Setting\$ is the additional set value for VarName\$. The type of value (string or integer) will depend on the type of VarName\$

## Remarks

1. SYSTEMVAR\$ is mainly used in combination with knowledge bases to be used on the server functionality of [Quaestor](#). However, some of the read only variables are also useful for any knowledge base;
2. The following [Quaestor](#) system variable can be **set and read**:
  - a. "qi\_ranges", set the maximum number of parameter variations (give a value), default is unlimited;
  - b. "qi\_acceptall", set the [Workbase](#) to accept all proposed values and relations (same as the right mouse menu option in the [Workbase](#)), default value is "N":
    - "qi\_acceptall"="y" do accept all
    - "qi\_acceptall"="n" do not accept all
  - "qi\_succes", can be set in order to communicate to the outside World (when working as server) that no success is achieved. The value is by default "0" at the start of a [Solution](#) and "1" when the top goal is achieved. You can set this value to your own judgement using the SYSTEMVAR\$ function:
    - "qi\_succes"="0" no success
    - "qi\_succes"="1" success
3. The following [Quaestor](#) system variables can be read only
  - a. "qi\_username", returns the user name. Either provided from Windows or from another source such as eGroupWare;
  - b. "qi\_headless", return whether [Quaestor](#) is running as client or as server:
    - i. "qi\_headless"="y", [Quaestor](#) is running as server;
    - ii. "qi\_headless"="n", [Quaestor](#) is running as client;
  - c. "objectname", provides "[NullString](#)" when not in an object or the name of the object it is part of;
  - d. "qi\_delimiter", give the type of delimiter used to provide ranges (either , or ;)
  - e. "reportpath", returns the string of the total report path in Windows format (as set under Tools>Options);
  - f. "htmlfilereportpath", returns the string of the total report path in proper HTML browser format;
  - g. "unixreportpath", returns the string of the total report path in unix format (with forward slashes);
  - h. "kbspath", returns the string of the knowledge base path in Windows format (as set under Tools>Options);
  - i. "apppath", returns the string of the general application path in Windows format (as set under Tools>Options);
  - j. "appkbspath", returns the string of the knowledge base application path in Windows format

## Examples

See Directory structure for the [Quaestor](#) standards concerning the directories. Assume a knowledge base with the name *KnowledgeBaseName*  
ReportPath\$ = SYSTEMVAR\$("ReportPath")

will return

"E:\My Documents\My Knowledge\Projects\\_KnowledgeBaseName\Solutions\"

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HTMLFileReportPath\$ = SYSTEMVAR\$("htmlfileReportPath")

will return

"file:///E:/My Documents/My Knowledge/Projects/\_KnowledgeBaseName/Solutions/"

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So tell the outside World that a solution is not judged as successful:  
CALC\_success\$ = SYSTEMVAR\$("QI\_success","0")

## Example knowledgebases

**Download**

An example knowledgebase of this function can be downloaded here

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