

# Domino Formula @Functions

IBM Lotus Notes® and Domino™ 6

<p><b>Agents</b></p> <ul style="list-style-type: none"> <li>@Command([RunAgent]; agent)</li> <li>@DocMark([Update])</li> <li>@DocMark([NoUpdate])</li> <li>@IsAgentEnabled(agent)</li> </ul>	<p><b>Data Types</b></p> <ul style="list-style-type: none"> <li>@False</li> <li>@IsNull(value)</li> <li>@IsNumber(value)</li> <li>@IsText(value)</li> <li>@IsTime(value)</li> <li>@No</li> <li>@Text(value; formatString)</li> <li>@TextToNumber(string)</li> <li>@TextToTime(string)</li> <li>@Time(hour; minute; second)</li> <li>@Time(year; month; day; hour; minute; second)</li> <li>@Time(time-date)</li> <li>@TimeMerge(date; time; timeZone)</li> <li>@TimeToTextInZone(timeDate; timeZone; formatString)</li> <li>@TimeZoneToText(timeZone; formatString)</li> <li>@ToNumber(value)</li> <li>@ToTime(value)</li> <li>@True</li> <li>@Yes</li> </ul>	<p><b>Documents</b></p> <ul style="list-style-type: none"> <li>@Accessed</li> <li>@AttachmentLengths</li> <li>@AttachmentModifiedTimes</li> <li>@AttachmentNames</li> <li>@Attachments</li> <li>@Author</li> <li>@Created</li> <li>@DeleteDocument</li> <li>@DocFields</li> <li>@DocLength</li> <li>@DocLevel</li> <li>@DocLock([options])</li> <li>@DocOmittedLength</li> <li>@DocumentUniqueID</li> <li>@GetDocField(documentUNID; fieldName)</li> <li>@HardDeleteDocument</li> <li>@InheritedDocumentUniqueID</li> <li>@IsDocBeingEdited</li> <li>@IsDocBeingLoaded</li> <li>@IsDocBeingMailed</li> <li>@IsDocBeingRecalculated</li> <li>@IsDocBeingSaved</li> <li>@IsDocTruncated</li> <li>@IsModalHelp</li> <li>@IsNewDoc</li> <li>@IsResponseDoc</li> <li>@Modified</li> <li>@NotelD</li> <li>@SetDocField(documentUNID; fieldName; newValue)</li> <li>@UndeleteDocument</li> </ul>	<p><b>Folders</b></p> <ul style="list-style-type: none"> <li>@AddToFolder(folderNameAdd; folderNameRemove)</li> <li>@Command([FolderDocuments]; folderName; moveOrCopy)</li> </ul>	<p><b>Frames</b></p> <ul style="list-style-type: none"> <li>@SetTargetFrame(targetFrame)</li> </ul>	<p><b>HTTP/URL</b></p> <ul style="list-style-type: none"> <li>@GetHTTPHeader(requestHeader)</li> <li>@SetHTTPHeader(responseHeader; value)</li> <li>@URLDecode(decodingFormat; token)</li> <li>@URLEncode(encodingFormat; token)</li> <li>@URLGetHeader(urlstring; headerstring; webusername; webpassword; proxywebusername; proxywebpassword)</li> <li>@URLHistory([command])</li> <li>@URLOpen</li> <li>@URLOpen(urlstring)</li> <li>@URLOpen(urlstring; [reloadflag])</li> <li>@URLOpen(urlstring; [URLLIST]; [URLLIST]); charset</li> <li>@URLOpen(urlstring; [reloadflag]; [URLLIST]; charset; webusername)</li> <li>@URLOpen(urlstring; [reloadflag]; [URLLIST]; charset; webusername; webpassword)</li> <li>@URLOpen(urlstring; [reloadflag]; [URLLIST]; charset; webusername; webpassword; proxywebusername; proxywebpassword)</li> <li>@UriQueryString(parameterName)</li> <li>@ValidateInternetAddress([addressFormat]; address)</li> </ul>	<p><b>Lists</b></p> <ul style="list-style-type: none"> <li>@Compare(textlist; textlist; [options])</li> <li>@Count(list)</li> <li>@Elements(list)</li> <li>@Explode(dateRange)</li> <li>@Explode(string; separators; includeEmpties; newlineAsSeparator)</li> <li>@Implode(textListValue)</li> <li>@Implode(testListValue; separator)</li> <li>@IsMember(textValue; textListValue; textListValue2)</li> <li>@IsNotMember(textValue; textListValue; textListValue2)</li> <li>@Keywords(textList1; textList2; separator)</li> <li>@Member(value; stringlist)</li> <li>@Replace(sourcelist; fromlist; tolist)</li> <li>@Sort(list; [order]; customSortExpression)</li> <li>@Subset(list; number)</li> <li>@Transform(list; variableName; formula)</li> </ul>	<p><b>Math</b></p> <ul style="list-style-type: none"> <li>@Abs(anyNumber)</li> <li>@ACos(cosine)</li> <li>@ASin(sine)</li> <li>@ATan(tangent)</li> <li>@ATan2(x; y)</li> <li>@Cos(angle)</li> <li>@Exp(power)</li> <li>@FloatEq(number; number; confidenceRange)</li> <li>@Integer(numberValue)</li> <li>@Ln(number)</li> <li>@Log(number)</li> <li>@Max(number1)</li> <li>@Max(number1; number2)</li> <li>@Min(number1)</li> <li>@Min(number1; number2)</li> <li>@Modulo(number1; number2)</li> <li>@Pi</li> <li>@Power(base; exponent)</li> <li>@Random</li> <li>@Round(number)</li> <li>@Sign(signedNumber)</li> <li>@Sin(angle)</li> <li>@Sqrt(number)</li> <li>@Sum(numbers)</li> <li>@Tan(angle)</li> </ul>	<p><b>Selection</b></p> <ul style="list-style-type: none"> <li>@All</li> <li>SELECT selectionFormula   @AllChildren</li> <li>SELECT selectionFormula   @AllDescendants</li> <li>SELECT formula</li> </ul>	<p><b>Tables</b></p> <ul style="list-style-type: none"> <li>@GetFocusTable([tableInfoRequest])</li> </ul>	<p><b>Temporary Variables</b></p> <ul style="list-style-type: none"> <li>@Set(variableName; value)</li> </ul>	<p><b>Text</b></p> <ul style="list-style-type: none"> <li>@Begins(string; subString)</li> <li>@Contains(string; subString)</li> <li>@Ends(string; subString)</li> <li>@Left(stringToSearch; numberOfChars)</li> <li>@Left(stringToSearch; subString)</li> <li>@LeftBack(stringToSearch; numToSkip)</li> <li>@LeftBack(stringToSearch; startString)</li> <li>@Length(string)</li> <li>@Length(stringList)</li> <li>@Like(string; pattern)</li> <li>@Like(string; pattern; escape)</li> <li>@LowerCase(string)</li> <li>@Matches(string; pattern)</li> <li>@Middle(string; offset; numberChars)</li> <li>@MiddleBack(string; offset; numberChars)</li> <li>@ProperCase(string)</li> <li>@Repeat(string; number; numberChars)</li> <li>@ReplaceSubstring(sourceList; fromList; toList)</li> <li>@Right(stringToSearch; numberOfChars)</li> <li>@Right(stringToSearch; subString)</li> <li>@RightBack(stringToSearch; numberOfChars)</li> <li>@RightBack(stringToSearch; subString)</li> <li>@Soundex(string)</li> <li>@Trim(string)</li> <li>@Unique</li> <li>@Unique(textlist)</li> <li>@UpperCase(string)</li> <li>@Word(string; separator; number)</li> </ul>	<p><b>User Environment</b></p> <ul style="list-style-type: none"> <li>@BrowserInfo("propertyname")</li> <li>@ClientType</li> <li>@ConfigFile</li> <li>@Domain</li> <li>ENVIRONMENT variable := textValue;</li> <li>@Environment(variable)</li> <li>@FileDir(pathname)</li> <li>@FontList</li> <li>@GetAddressBooks([options])</li> <li>@GetCurrentTimeZone</li> <li>@GetPortsList([portType])</li> <li>@IsAppInstalled(application)</li> <li>@IsVirtualizedDirectory</li> <li>@LaunchApp(application)</li> <li>@OrgDir</li> <li>@Platform([SPECIFIC])</li> <li>@RegQueryValue(keyName; subKeyName; valueName)</li> <li>@SetEnvironment(variableName; value)</li> <li>@UpdateFormulaContext</li> <li>@UserName(index)</li> <li>@V3UserName</li> <li>@Version</li> </ul>
<p><b>@Commands</b></p> <ul style="list-style-type: none"> <li>@Command([command]; parameters)</li> <li>@PostedCommand([command]; parameters)</li> </ul>	<p><b>Databases</b></p> <ul style="list-style-type: none"> <li>@DbExists(server; file)</li> <li>@DbExists(server; replicaID)</li> <li>@DbManager</li> <li>@DbName</li> <li>@DbTitle</li> <li>@ReplicaID</li> <li>@ServerName</li> <li>@WebDbName</li> </ul>	<p><b>Error Handling</b></p> <ul style="list-style-type: none"> <li>@CheckFormulaSyntax(formulaText)</li> <li>@Error</li> <li>@Eval(textExpressions)</li> <li>@Failure(string)</li> <li>@IfError(statement; alternateStatement)</li> <li>@IsError(value)</li> <li>@IsValid</li> <li>@Success</li> </ul>	<p><b>Internationalization</b></p> <ul style="list-style-type: none"> <li>@FormLanguage</li> <li>@LanguagePreference([key])</li> <li>@Locale(action)</li> <li>@Locale(action); locale-tag</li> <li>@UserNameLanguage(index)</li> </ul>	<p><b>Lookups</b></p> <ul style="list-style-type: none"> <li>@DbColumn(class : cache; server : database; view; columnNumber)</li> <li>@DbColumn("ODBC" : cache; data_source; user_ID1 : user_ID2; password1 : password2; table; column : null_handling; "Distinct" : sort)</li> <li>@DbCommand("Domino"; "ViewNextPage")</li> <li>@DbCommand("Domino"; "ViewPreviousPage")</li> <li>@DbCommand("Domino"; "FolderList"; promptString; foldersToExclude)</li> <li>@DbCommand("ODBC" : cache; data_source; user_ID1 : user_ID2; password1 : password2; command_string : null_handling)</li> <li>@DbLookup(class : cache; server : database; view; key; fieldName or columnNumber; keywords)</li> <li>@DbLookup("ODBC" : cache; "data_source"; "user_ID1" : "user_ID2"; "password1" : "password2"; "table"; "column" : "null_handling"; "key_column"; "key"; "Distinct" : "sort")</li> </ul>	<p><b>Names</b></p> <ul style="list-style-type: none"> <li>@Name(action); name</li> <li>@NameLookup([lookupType]; userName; itemToReturn)</li> </ul>	<p><b>Profile Documents</b></p> <ul style="list-style-type: none"> <li>@Command([EditProfileDocument]; formName; uniqueKey)</li> <li>@GetProfileField(profileName ; fieldName; uniqueKey)</li> <li>@SetProfileField(profileName ; fieldName; value ; uniqueKey)</li> </ul>	<p><b>Remarks</b></p> <ul style="list-style-type: none"> <li>REM "comments";</li> <li>REM [comments];</li> </ul>	<p><b>Time/Dates</b></p> <ul style="list-style-type: none"> <li>@Adjust(dateToAdjust; years; months; days; hours; minutes; seconds; [DST])</li> <li>@BusinessDays(startDates; endDates; daysToExclude; datesToExclude)</li> <li>@Date(year; month; day)</li> <li>@Day(timeDateValue)</li> <li>@Hour(timeDateValue)</li> <li>@Minute(timeDateValue)</li> <li>@Month(timeDateValue)</li> <li>@Now(flags; serverNames)</li> <li>@Second(timeDateValue)</li> <li>@Today</li> <li>@Tomorrow</li> <li>@Weekday(timeDateValue)</li> <li>@Year(timeDateValue)</li> <li>@Yesterday</li> <li>@Zone</li> </ul>	<p><b>User Interaction</b></p> <ul style="list-style-type: none"> <li>@DialogBox(form; [AUTOHORIZFIT] : [AUTOVERTFIT] : [NOCANCEL] : [NOFIELDUPDATE] : [READONLY] : [SIZETOTABLE] : [NOOKCANCEL] : [OKCANCELATBOTTOM]; title)</li> <li>@PickList([CUSTOM] : [SINGLE]; server : file; view; title; prompt; column; categoryName)</li> <li>@PickList([NAME] : [SINGLE])</li> <li>@PickList([ROOM])</li> <li>@PickList([RESOURCE])</li> <li>@PickList([FOLDERS] : [SINGLE]; server : database)</li> <li>@PickList([FOLDERS] : [SHARED]; server : database)</li> <li>@PickList([FOLDERS] : [PRIVATE]; server : database)</li> <li>@PickList([FOLDERS] : [NODESKTOP]; server : database)</li> <li>@Prompt([style] : [NOSORT]; title; prompt; defaultChoice; choiceList; filetype)</li> <li>@StatusBar(statusBarText)</li> </ul>			
<p><b>Control Logic</b></p> <ul style="list-style-type: none"> <li>@Do(expressions)</li> <li>@DoWhile(statement; ...; condition)</li> <li>@For(initialize; condition; increment; statement; ...)</li> <li>@If(condition1; action1; condition2; action2; ...; condition99; action99; else_action)</li> <li>@Nothing</li> <li>@Return(value)</li> <li>@Select(number; values)</li> <li>@V2If(condition1; action1; condition2; action2; condition99; action99; else_action)</li> <li>@While(condition; statement; ...)</li> </ul>	<p><b>DDE</b></p> <ul style="list-style-type: none"> <li>@DDEExecute(conversationID; command)</li> <li>@DDEInitiate(application; topic)</li> <li>@DDEPoke(conversationID; location; data)</li> <li>@DDETerminate(conversationID)</li> </ul>	<p><b>Fields</b></p> <ul style="list-style-type: none"> <li>@Abstract([keywords]; size; beginText; bodyFields)</li> <li>DEFAULT variableName := value</li> <li>FIELD fieldName := @DeleteField</li> <li>FIELD fieldName := value</li> <li>@GetField(fieldName)</li> <li>@IsAvailable(fieldName)</li> <li>@IsUnavailable(fieldName)</li> <li>@SetField(fieldName; value)</li> <li>@ThisName</li> <li>@ThisValue</li> <li>FIELD fieldName := @Unavailable</li> </ul>	<p><b>Mail</b></p> <ul style="list-style-type: none"> <li>@CheckAlarms</li> <li>@EnableAlarms(flag)</li> <li>@LDAPServer</li> <li>@MailDbName</li> <li>@MailEncryptSavedPreference</li> <li>@MailEncryptSentPreference</li> <li>@MailSavePreference</li> <li>@MailSend</li> <li>@MailSend([sendTo]; copyTo ; blindCopyTo ; subject ; remark ; bodyFields ; [ flags ] )</li> <li>@MailSignPreference</li> <li>@OptimizeMailAddress(address)</li> </ul>	<p><b>Security</b></p> <ul style="list-style-type: none"> <li>@Certificate([dataToRetrieve]; certificate)</li> <li>@EditECL(server : database; name)</li> <li>@EditUserECL</li> <li>@HashPassword(string)</li> <li>@Password(string)</li> <li>@PasswordQuality(fieldName)</li> <li>@RefreshECL(server : database; name)</li> <li>@ServerAccess([access]; userName; serverName)</li> <li>@UserAccess(server : file; [accessPrivilege])</li> <li>@UserNamesList</li> <li>@UserPrivileges</li> <li>@UserRoles</li> <li>@V4UserAccess(server : file)</li> <li>@VerifyPassword(password; password)</li> </ul>	<p><b>Views</b></p> <ul style="list-style-type: none"> <li>@DocChildren</li> <li>@DocDescendants</li> <li>@DocNumber</li> <li>@DocParentNumber</li> <li>@DocSiblings</li> <li>@GetViewInfo([attribute]; column)</li> <li>@IsCategory</li> <li>@IsExpandable</li> <li>@Responses</li> <li>@SetViewInfo([SETVIEWFILTER]; filterString; columnName; isCategory)</li> <li>@SetViewInfo([SETVIEWFILTER]; filterString; columnName; exactMatch)</li> <li>@ViewTitle</li> </ul>							

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