

Form Information

Name:

Last Modification:
Comment:
Type:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

dlgExternalQA

01/11/2023 02:55:15 PM
[Not Assigned]
Document
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

Subcomponents:

Field:

Datatype:
Input Multi-Value Separator(s):
Display Multi-Value Separator:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

DAList

Text
Comma, Semicolon, New Line
New Line
[Not Assigned]
Computed when composed
No
Disabled
No
val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "DAList");ret :=
@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "~";
1));@Trim(@If(DAListExternal = "" ; ret; @Replace(ret; DAListExternal;
""))));

Is Scripted:

No

Field:

Identifier

Datatype:
Input Multi-Value Separator(s):
Display Multi-Value Separator:
Help Description:
Field Type:
Keyword User Interface:
Allowable Keywords:

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Keyword User Interface:
Allow Values Not In List:
Allowable Keywords Formula:

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Field:

Datatype:
Input Multi-Value Separator(s):
Display Multi-Value Separator:
Help Description:
Field Type:
Keyword User Interface:
Allow Values Not In List:
Allowable Keywords Formula:

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:
Hide When:

JavaScript & HTML Code:

Keywords
Comma
Comma
[Not Assigned]
Editable
Check Boxes
Additional Directory|d
Org/OrgUnit in Notes Name|o

No
Disabled
No
No

DAListExternal

Keywords
[Not Assigned]
Editable
Standard
No
values := DAList;list := @If(@IsError(values); "";
@ReplaceSubstring(@ReplaceSubstring(values; "|"; "!"); "~"; "|"));list;

No
Disabled
No
No

OrgsExternal

Keywords
Comma
Comma
[Not Assigned]
Editable
Standard
No
val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "Orgs");
@If(@IsError(val); "< Error Retrieving Orgs >"; val);

No
Disabled
No
No
@IsNotMember("o"; Identifier);

[None]

LotusScript Code:

[None]

Name:

Last Modification:
Comment:
Type:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

Subcomponents:**Field:**

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

dlgLicenseInfo

01/11/2023 02:55:15 PM
[Not Assigned]
Document
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

Name

Text
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No

Email

Text
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:**Phone**

Text
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No

CompanyName

Text
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No

HCLAccount

Text
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No

PersonDocCount

Number
General
No
No
No
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No

DAUserCount

Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	ValidUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Hotspot	
Type:	Action Hotspot
Caption:	Yes
Formula:	@Command([RefreshParentNote]);@Command([CloseWindow]);
Hotspot	
Type:	Action Hotspot
Caption:	No
Formula:	@Command([CloseWindow]);
JavaScript & HTML Code:	
[None]	
LotusScript Code:	
[None]	

Name:

Last Modification:
Comment:
Type:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

Subcomponents:**Field:**

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Field:

Datatype:

dlgUserInfo

01/11/2023 02:55:15 PM
[Not Assigned]
Document
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

Name

Text
[Not Assigned]
Editable
No
Disabled
No
No

Email

Text
[Not Assigned]
Editable
No
Disabled
No
No

Phone

Text

Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

[Not Assigned]
Editable
No
Disabled
No
No

CompanyName

Text
[Not Assigned]
Editable
No
Disabled
No
No

HCLAccount

Text
[Not Assigned]
Editable
No
Disabled
No
No

Name:

Alias:
Last Modification:
Comment:
Type:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
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Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

fmAgreement

agreement
01/11/2023 02:55:18 PM
[Not Assigned]
Document
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

Subcomponents:**Layout Region:**

Show Border:
Three Dimensional Style:
Show Grid:
Snap to Grid:
Grid Size:

No
No
No
Yes
72

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Untitled
Text
[Not Assigned]
Editable
No
Disabled
No
No

Field:

Datatype:
Help Description:

Accept
Keywords
[Not Assigned]

Field Type:	Editable
Keyword User Interface:	Radio Buttons
Allowable Keywords:	I understand and accept the above License Agreement Terms and Conditions 1
	I understand and DO NOT accept the above License Agreement Terms and Conditions 2
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	"2"
Is Scripted:	No
Hotspot	
Type:	Button
Caption:	Continue
Is Scripted:	Yes, see below
Hide When:	Accept != "1";
Hotspot	
Type:	Button
Caption:	Cancel
Formula:	@PostedCommand([FileCloseWindow]);
Field:	License
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	nl := @NewLine;"GRANT OF LICENSE:" + nl + nl + "1. General Grant." + nl + ""Licensed Software" includes each software product listed on the first page of this Agreement (a "Licensed Software Product") and related documentation including any updates, changes, enhancements or modifications thereto. Subject to the terms and conditions of this Agreement, for each Licensed Software Product HCL TECHNOLOGIES hereby grants to Customer a personal, non-exclusive, non-transferable license to use the Licensed Software Product for its own internal business purposes for the duration of the term set out above (License Term) for such Licensed Software Product. For each Licensed Software Product, Customer agrees to pay to HCL TECHNOLOGIES or its authorized reseller the License Fee set out above for such Licensed Software Product." + nl + nl + "2. Use and Restrictions." + nl + "If Source Code Version is designated above for a Licensed Software Product then

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Agreement and all documents contemplated hereby be drawn up in English. Les parties aux présentes ont exigé que cette entente et tous autres documents envisagés par les présentes soient rédigés en anglais. If any provision of this Agreement is declared by a Court of competent jurisdiction to be invalid, illegal or" + "unenforceable, such provision shall be severed from the Agreement and the other provisions shall remain in full force and effect. In this Agreement, "including" means "including without limitation" and is not to be construed to limit any general statement which it follows to the specific or similar items or matters immediately following it. Customer hereunder shall pay all amounts due within thirty (30) days of the date of an invoice for such amounts. If Customer fails to pay any amount when due, HCL TECHNOLOGIES or its authorized reseller shall have the right, in addition to any other remedies, to charge, and Customer shall pay, interest on such overdue amounts at the rate of one and a half percent (1.5%) per month (18% per annum). In addition to all charges hereunder, Customer shall pay to HCL TECHNOLOGIES or its authorized reseller all taxes, duties, and other such assessments or charges which may be assessed, levied or imposed with respect to any software, support, services or products provided hereunder, except taxes based on HCL TECHNOLOGIES or its authorized reseller's income or capital. This Agreement may be executed in any number of counterparts including by Customer signing and returning the first page hereof to HCL TECHNOLOGIES by facsimile transmission for signature by HCL TECHNOLOGIES. Each executed counterpart shall be deemed to be an original; all executed counterparts taken together shall constitute one agreement." + nl + nl + "13. Transfer of Information" + nl + "During the installation, you agree to provide HCL TECHNOLOGIES with information regarding the installation process. The information provided will be used for internal audit purposes only to ensure the correct amount of licenses are enabled within the application." + nl + nl + "14. Restricted Rights." + nl + "If this Licensed Software is acquired by or for the U.S. Government then it is provided with Restricted Rights. Use, duplication, or disclosure by the U.S. Government is subject to restrictions under applicable law, including those set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013, or subparagraphs (c)(1) and (2) of the Commercial Computer Software - Restricted Rights at 48 CFR 52.227-19, as applicable. Contractor/manufacturer is HCL TECHNOLOGIES," + nl + nl + nl + "Survival. Sections 3 to 6, 9 to 11, 13 and 14 shall survive any termination of this Agreement";

Is Scripted:

Yes
Hotspot
Type:
Caption:
Hide When:

Button
Continue
Accept = "1";

JavaScript & HTML Code:

[None]

LotusScript Code:

(Field) License

```
Sub Entering(Source As Field)
  Dim wk As New NotesUIWorkspace
  Call wk.CurrentDocument.GotoField("Untitled")
End Sub
```

(Button) Continue

```
Sub Click(Source As Button)
  Dim wk As New NotesUIWorkspace
  Dim doc As NotesDocument
  Set doc = wk.CurrentDocument.Document
  If doc.Accept(0)="2" Then Exit Sub
  %REM
    Dim session As New NotesSession
    Dim db As NotesDatabase
    Dim memo As NotesDocument
    Set db = session.CurrentDatabase
    Set memo = New NotesDocument(db)
    memo.Subject = db.Title + " - LICENSE AGREEMENT TERMS AND CONDITIONS"
    memo.Body = db.Title + " - LICENSE AGREEMENT TERMS AND CONDITIONS" + Chr(10)+Chr(10)_
    + doc.License(0)
    Call memo.Send(False,session.UserName)
  %END REM
  Call wk.RefreshParentNote
  Call wk.CurrentDocument.Close(True)
```

Name:

Alias:
Last Modification:
Comment:
Type:
Window Title Formula:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

Subcomponents:**Field:**

Datatype:
Time Format:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Action:**Action:****Action:****Action:**

Formula:

Action:**fmGroup**

Group
01/11/2023 02:55:14 PM
[Not Assigned]
Document
"Deny Access Group Information"
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

NABNOTEUPDATED

Time
01/25/2023 11:12 AM
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No
Spacer
FormName
Spacer
Close
@Command([CloseWindow]);
Print

Formula:

@Command([FilePrint]);

JavaScript & HTML Code:

[None]

LotusScript Code:

(Form) Group

```
Sub Queryopen(Source As Notesuidocument, Mode As Integer, Isnewdoc As Variant, Continue As Variant)
```

```
  If source.EditMode Then
```

```
    Print "Document Edits are not allowed"
```

```
    Continue=False
```

```
  End If
```

```
End Sub
```

```
Sub Querymodechange(Source As Notesuidocument, Continue As Variant)
```

```
  If Not source.EditMode Then
```

```
    Print "Document Edits are not allowed"
```

```
    Continue=False
```

```
  End If
```

```
End Sub
```

[None]

Name:

Alias:

Last Modification:

Comment:

Type:

Window Title Formula:

Include in Compose Menu:

Include in Query by Form:

Default Database Form:

Automatically Refresh Fields:

Mail New Documents When Saving:

Store Form In Documents:

Inherit Default Field Values:

Updates Become Responses:

Retain Prior Versions As Responses:

Activate Objects When Composing:

Activate Objects When Editing:

Activate Objects When Reading:

Document Encryption Keys:

Composed Documents May Be Read By:

Form May Be Composed By:

Subcomponents:**Field:**

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Formula:

Is Scripted:

Field:

Datatype:

Number Format:

Percentage (value * 100)%:

Parentheses on Negative Numbers:

Punctuated at Thousands:

fmHistory

History

01/11/2023 02:55:17 PM

[Not Assigned]

Document

"HCL Domino License Analysis - Results From " + @Text(@Created;
"D0T1Z0");

No

No

No

No

No

No

No

No

No

No

No

No

[None Assigned]

All Users

All Users

SaveOptions

Text

[Not Assigned]

Computed

No

Disabled

No

"0"

No

PersonDocCount

Number

General

No

No

No

Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	GroupDocCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	DAUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	LicenseTrackingDocCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]

Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	ValidUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	EntitlementTrackingServers
Datatype:	Text
Input Multi-Value Separator(s):	Comma, Semicolon, New Line
Display Multi-Value Separator:	New Line
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	UserReportLocation
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	DAScanError
Datatype:	Text

Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	LicenseTrackingServersMissing
Datatype:	Text
Input Multi-Value Separator(s):	Comma, Semicolon, New Line
Display Multi-Value Separator:	New Line
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	AdminServer
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	@ThisValue
Is Scripted:	No
Field:	ServerListDisp
Datatype:	Keywords
Help Description:	[Not Assigned]
Field Type:	Editable
Keyword User Interface:	Standard
Allow Values Not In List:	No
Allowable Keywords Formula:	val := ServerList;@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; " "; 1) + " (" + @Word(val; " "; 2) + ")");
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	""
Is Scripted:	No
Field:	EntitlementTrackingServersDisp

Datatype:	Keywords
Help Description:	[Not Assigned]
Field Type:	Editable
Keyword User Interface:	Standard
Allow Values Not In List:	No
Allowable Keywords Formula:	EntitlementTrackingServers
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Is Scripted:	No
Field:	DAInfo
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val1 := DAName;val2 := DAFilename;@If(@IsError(val1); "< Error Retrieving Directory Assistance Information >"; val1 = ""; "Directory Assistance is not configured."; val1 + " (" + val2 + ")");
Is Scripted:	No
Field:	DAListExternalDisp
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := DAListExternal;@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "~"; 1));
Is Scripted:	No
Hide When:	DAListExternal = "";
Field:	DAListDisp
Datatype:	Text
Input Multi-Value Separator(s):	Comma, Semicolon, New Line
Display Multi-Value Separator:	New Line
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No

Formula:

Is Scripted:

Hide When:

Field:

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Formula:

Is Scripted:

Subform:

Action:

Action:

Action:

Action:

Formula:

Action:

Formula:

JavaScript & HTML Code:

Field LicenseTrackingServersMissing

onClick

onClick

onClick

onClick

onClick

Field AdminServer

onClick

Field ServerListDisp

onClick

onClick

onClick

Field DAListDisp

onClick

[None]

LotusScript Code:

```
val := DAList;ret := @ReplaceSubstring(@If(@IsError(val); "< Error  
Retrieving Server Names >"; @Word(val; "~"; 1)); "||"; "!!");
```

```
@Trim(@If(DAListExternal = ""; ret; @Replace(ret; DAListExternal; "")));
```

No

DALInfo = "";

ObservationsDisp

Text

[Not Assigned]

Computed for display

No

Disabled

No

```
val := Observations;@If(@IsError(val); "", @Implode("- " + @Word(val;  
"|"; 1); @NewLine));
```

No

sfrmInfoOverlays

Spacer

FormName

Spacer

Close

```
@Command([CloseWindow]);
```

Print

```
@Command([FilePrint]);
```

(Globals)

```
Option Public
Option Declare
Dim openWS As NotesUIWorkspace
Dim openUI As NotesUIDocument
Dim openNote As NotesDocument
Dim thisUI As NotesUIDocument
Dim thisNote As NotesDocument
Dim openSession As NotesSession
Dim openDB As NotesDatabase
Dim openView As NotesView
```

(Form) User

```
Sub Postopen(Source As Notesuidocument)
    Set openWS=New NotesUIWorkspace
    Set openUI=source
    Set thisUI=Source
    Set openNote=source.Document
    Set thisNote=source.Document
    Set openSession=New NotesSession
    Set openDB=openSession.CurrentDatabase
End Sub
[None]
```


Name:

Last Modification:
Comment:
Type:
Window Title Formula:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

Subcomponents:**Field:**

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

fmLaunch

01/11/2023 02:55:17 PM
[Not Assigned]
Document
@DbTitle
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

\$Buttons

Text
[Not Assigned]
Editable
No
Disabled
No
"1"
No

\$Steps

Text
[Not Assigned]
Editable
No
Disabled
No
"1"

Is Scripted:	No
Field:	SaveOptions
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	"0"
Is Scripted:	No
Field:	ConfigCheck
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; @DbName; "config"; "config"; "ScansComplete");@If(@IsError(val); ""; val = ""; ""; val);
Is Scripted:	No
Field:	PersonDocCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; ""; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	GroupDocCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]

Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	DAUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	LicenseTrackingDocCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	ValidUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No

Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:
Input Multi-Value Separator(s):
Display Multi-Value Separator:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

[Not Assigned]

Computed

No

Disabled

No

val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);
@If(@IsError(val); -10101; val);

No

EntitlementTrackingServers

Text

Comma, Semicolon, New Line

New Line

[Not Assigned]

Computed

No

Disabled

No

val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);
@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "|";
1));

No

UserReportLocation

Text

[Not Assigned]

Computed

No

Disabled

No

val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);
@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "|";
1));

No

DAScanError

Text

[Not Assigned]

Computed

No

Disabled

No

check := @DbLookup("" : "NoCache"; "" ; "config"; "config";
"DAScanError");@If(@IsError(check); "" ; check = "" ; "" ; "Note: there was

Is Scripted:
Field:
Datatype:
Input Multi-Value Separator(s):
Display Multi-Value Separator:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Hotspot

Type:
Caption:
Formula:

Hotspot

Type:
Caption:
Formula:

Hotspot

Type:
Caption:
Is Scripted:

Field:

Datatype:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

an error scanning the additional Domino Directories");
No

LicenseTrackingServersMissing

Text
Comma, Semicolon, New Line
New Line
[Not Assigned]
Computed when composed
No
Disabled
No
val := @DbLookup("": "NoCache"; ""; "config"; "config"; @ThisName);
@If(@IsError(val); "< Error Retrieving Server Names >"; val);
No

Button

PerformScan

scanType := @If(Step = 2; "Config"; Step = 3; "User"; Step = 4;
"DAGroups"; "Entitlement");FIELD Scan := scanType;
@Command([RefreshHideFormulas]);
@PostedCommand([ToolsRunMacro]; "PullInfo" + scanType);

Button

MakeHistory

@Command([ToolsRunMacro]; "MakeHistory");

Button

FirstNext

Yes, see below

Step

Number

General

No

No

No

[Not Assigned]

Editable

No

Disabled

No

1

Is Scripted:	No
Field:	Scan
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	@ThisValue
Is Scripted:	No
Field:	UserScan
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	@ThisValue
Is Scripted:	No
Field:	DAScan
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	@ThisValue
Is Scripted:	No
Field:	EntitlementScan
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	@ThisValue
Is Scripted:	No
Hotspot	
Type:	Link
Caption:	HCL Domino CCB License Agreement
Associated Data:	

Hotspot

Type:

Caption:

Associated Data:

Hotspot

Type:

Caption:

Associated Data:

Hotspot

Type:

Caption:

Associated Data:

Hotspot

Type:

Caption:

Field:

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Formula:

Is Scripted:

Field:

Datatype:

Help Description:

Field Type:

Keyword User Interface:

Allow Values Not In List:

Allowable Keywords Formula:

https://www.hcltechsw.com/wps/wcm/connect/c6f1e7e3-d6d3-436d-a95a-44c5347dca1a/HCL+Domino+Complete+Collaboration+12.0.1.pdf?MOD=AJPERES&CONVERT_TO=url&CACHEID=ROOTWORKSPACE-c6f1e7e3-d6d3-436d-a95a-44c5347dca1a-nSOi.Tg

Link

User Report Tool

https://support.hcltechsw.com/csm?id=kb_article&sysparm_article=KB0095328

Link

HCL Domino Administration Documentation

<https://help.hcltechsw.com/domino/12.0.0/admin/index.html>

Link

Entitlement Tracking System

https://help.hcltechsw.com/domino/12.0.0/admin/admn_entitlementtracking.html

Action Hotspot

Start Environment Scan Now

AdminServer

Text

[Not Assigned]

Computed when composed

No

Disabled

No

@ThisValue

No

ServerList

Keywords

[Not Assigned]

Editable

Standard

No

```
val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "ServerList");  
@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "|";  
1) + " (" + @Word(val; "|"; 2) + ")");
```

Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	""
Is Scripted:	No
Field:	DALInfo
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val1 := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "DAName");val2 := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "DAFilename");@If(@IsError(val1); "< Error Retrieving Directory Assistance Information >"; val1 = "" ; "Directory Assistance is not configured."; val1 + " (" + val2 + ")");
Is Scripted:	No
Field:	DAListExternal
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "~"; 1));
Is Scripted:	No
Hide When:	DAListExternal = "" AdminServer = "";
Field:	DAList
Datatype:	Text
Input Multi-Value Separator(s):	Comma, Semicolon, New Line
Display Multi-Value Separator:	New Line
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "DAList");ret := @ReplaceSubstring(@If(@IsError(val); "< Error Retrieving Server

Is Scripted:
Hide When:

Hotspot

Type:
Caption:

Hotspot

Type:
Caption:
Formula:

Hotspot

Type:
Caption:

Hotspot

Type:
Caption:
Formula:

Hotspot

Type:
Caption:
Formula:

Hotspot

Type:
Caption:

Field:

Datatype:
Help Description:
Field Type:
Keyword User Interface:
Allow Values Not In List:
Allowable Keywords Formula:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:

```
Names >"; @Word(val; "~"; 1)); "||"; "!!");@Trim(@If(DAListExternal = "";  
ret; @Replace(ret; DAListExternal; ""));  
No  
DAInfo = "" | AdminServer = "";
```

Action Hotspot
Start Users Scan Now

Action Hotspot
Person Documents
@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar2"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "UserInfo"));

Action Hotspot
Start Deny Access Scan Now

Action Hotspot
Deny Access Groups
@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Action Hotspot
Deny Access Users Found
@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Action Hotspot
Start Entitlement Tracking Scan Now

EntitlementTrackingServersDisp

Keywords
[Not Assigned]
Editable
Standard
No
EntitlementTrackingServers
No
Disabled
No

Is Scripted:	No
Hotspot	Action Hotspot
Type:	Start User Report Tool Scan Now
Caption:	
Hotspot	Action Hotspot
Type:	Show Previous Results
Caption:	@SetTargetFrame("Inner");@Command([OpenFrameset]; "fsInner");
Formula:	
Hotspot	Action Hotspot
Type:	Next
Caption:	
Hotspot	Action Hotspot
Type:	Cancel
Caption:	@Command([CloseWindow]);
Formula:	
Hotspot	Action Hotspot
Type:	Back
Caption:	Yes, see below
Is Scripted:	
Hotspot	Action Hotspot
Type:	Next
Caption:	Yes, see below
Is Scripted:	
Hotspot	Action Hotspot
Type:	Cancel
Caption:	@Command([CloseWindow]);
Formula:	
Hotspot	Action Hotspot
Type:	Back
Caption:	Yes, see below
Is Scripted:	
Hotspot	Action Hotspot
Type:	Next
Caption:	Yes, see below
Is Scripted:	
Hotspot	Action Hotspot
Type:	Cancel
Caption:	@Command([CloseWindow]);
Formula:	
Hotspot	Action Hotspot
Type:	

Caption:	Back
Is Scripted:	Yes, see below
Hotspot	
Type:	Action Hotspot
Caption:	Next
Is Scripted:	Yes, see below
Hotspot	
Type:	Action Hotspot
Caption:	Cancel
Formula:	@Command([CloseWindow]);
Hotspot	
Type:	Action Hotspot
Caption:	Back
Is Scripted:	Yes, see below
Hotspot	
Type:	Action Hotspot
Caption:	Next
Is Scripted:	Yes, see below
Hotspot	
Type:	Action Hotspot
Caption:	Cancel
Formula:	@Command([CloseWindow]);
Hotspot	
Type:	Action Hotspot
Caption:	Back
Is Scripted:	Yes, see below
Hotspot	
Type:	Action Hotspot
Caption:	Next
Is Scripted:	Yes, see below
Hotspot	
Type:	Action Hotspot
Caption:	Cancel
Formula:	@Command([CloseWindow]);
Hotspot	
Type:	Action Hotspot
Caption:	View Results
Formula:	@SetTargetFrame("Inner");@Command([OpenFrameset]; "fsInner");
Subform:	sfmlInfoOverlays
JavaScript & HTML Code:	

Action Hotspot

Client onClick

```
document.forms[0].Timer.click();  
setTimeout(document.forms[0].PerformScan.click(),1);
```

onClick

Field AdminServer

onClick

Field ServerList

onClick

onClick

Action Hotspot

Client onClick

```
document.forms[0].Timer.click();  
setTimeout(document.forms[0].PerformScan.click(),1);
```

onClick

Action Hotspot

Client onClick

```
document.forms[0].Timer.click();  
setTimeout(document.forms[0].PerformScan.click(),1);
```

onClick

onClick

Action Hotspot

Client onClick

```
document.forms[0].Timer.click();  
setTimeout(document.forms[0].PerformScan.click(),1);
```

onClick

onClick

Action Hotspot

Client onClick

```
document.forms[0].Timer.click();  
setTimeout(document.forms[0].PerformScan.click(),1);
```

Action Hotspot

Client onClick

```
document.forms[0].MakeHistory.click();  
document.forms[0].FirstNext.click()
```

LotusScript Code:

(Globals)

Option Public

Option Declare

Use "slCore"

```

Dim stepVal As String
Dim elapsedTime As NotesTimer
Dim timerSeconds As Integer
Dim checkStep As Integer
Dim processComplete As Boolean
Dim openWS As NotesUIWorkspace
Dim openUI As NotesUIDocument
Dim openNote As NotesDocument
Dim openSession As NotesSession
Dim openDB As NotesDatabase
Dim openView As NotesView
Dim openAdmin As NotesDocument
Sub checkSettings (Source As NotesTimer)
    On Error Goto errHandle
    Set openAdmin=Nothing
    Set openSession=New NotesSession
    Set openDB=openSession.CurrentDatabase
    If openGetAdminValue("Critical")(0)<>"" Then Call openUI.Close
    If openGetAdminValue("PauseTime")(0)<>"" Then Exit Sub
    If checkStep=0 Then
        If openGetAdminValue("ConfigPullStatus")(0)="Complete" Then
            checkStep=1
            openNote.AdminServer=openGetAdminValue("AdminServer")(0)
            openNote.Scan=""
            openSetAdminValue "NABPersonDocSyncStatus", ""
            Call openUI.Refresh()
            Set source=Nothing
        End If
    ElseIf checkStep=1 Then
        If openGetAdminValue("NABPersonDocSyncStatus")(0)="Complete" Then
            checkStep=2
            openNote.UserScan="complete"
            openNote.Scan=""
            openSetAdminValue "DADocSyncStatus", ""
            Call openUI.Refresh()
            Set source=Nothing
        End If
    ElseIf checkStep=2 Then
        If openGetAdminValue("DADocSyncStatus")(0)="Complete" Then
            checkStep=3
            openNote.DAScan="complete"

```

```

        openNote.Scan=""
        openSetAdminValue "EntitlementSyncStatus", ""
        Call openUI.Refresh()
        Set source=Nothing
    End If
Else
    If openGetAdminValue("EntitlementSyncStatus")(0)="Complete" Then
        openNote.EntitlementScan="complete"
        openNote.Scan=""
        Call openUI.Refresh()
        Set source=Nothing
    End If
    openSetAdminValue "ScansComplete", "true"
End If
errHandle:
    Err=0
    Exit Sub
End Sub
Function openGetAdminValue(fldName As String) As Variant
'    On Error Goto errHandle
    Dim empty(0) As String
    If openAdmin Is Nothing Then
        Set openView=openDB.Getview("config")
        Set openAdmin=openView.Getdocumentbykey("config", True)
        If openAdmin Is Nothing Then
            Set openAdmin=openDb.Createdocument()
            openAdmin.Form="config"
            Call openAdmin.Save(True, True, True)
        End If
    End If
    openGetAdminValue=empty
    If openAdmin.Hasitem(fldName) Then openGetAdminValue=openAdmin.Getfirstitem(fldName).Values
errHandle:
'    If Err<>0 Then MsgBox "ERROR in openGetAdminValue: "+Error+Chr(10)+"#: "+Cstr(Err)+"", line: "+Cstr(Erl)
    Exit Function
End Function
Sub openSetAdminValue (fldName As String,value As Variant)
    If openadmin Is Nothing Then
        Set openview=openadb.Getview("config")
        Set openadmin=openview.Getdocumentbykey("config",t)
        If openadmin Is Nothing Then

```

```

        Set openadmin=openadb.Createdocument()
        openadmin.Form="config"
    End If
End If
Call openadmin.Removeitem(fldName)
Call openadmin.Replaceitemvalue(fldName,value)
Call openadmin.Save(t,t,t)
End Sub
Sub CreateDigitalSignature()
    Dim encStr As String
    Dim adminVal As Variant
    Dim nl As String
    nl=Chr(10)
    encStr=|"Date:"|+Cstr(Now)+|",|+nl
    encStr=encStr+|"User:"|+openSession.Username+|",|+nl
    adminVal=openGetAdminValue("ValidUserCount")
    If Cstr(adminVal(0))="" Then encStr=encStr+|"AU":"0",|+nl Else encStr=encStr+|"AU:"|+Cstr(adminVal(0))+|",|+nl
    adminVal=openGetAdminValue("LDAPDA")
    If Cstr(adminVal(0))<>"" Then encStr=encStr+|"LDAP":"LDAP Directory In Use at this organization",|+nl
    adminVal=openGetAdminValue("PersonDocCount")
    If Cstr(adminVal(0))="" Then encStr=encStr+|"PD":"0",|+nl Else encStr=encStr+|"PD:"|+Cstr(adminVal(0))+|",|+nl
    adminVal=openGetAdminValue("MailUserCount")
    If Cstr(adminVal(0))="" Then encStr=encStr+|"MU":"0",|+nl Else encStr=encStr+|"MU:"|+Cstr(adminVal(0))+|",|+nl
    adminVal=openGetAdminValue("GroupDocCount")
    If Cstr(adminVal(0))="" Then encStr=encStr+|"GD":"0",|+nl Else encStr=encStr+|"GD:"|+Cstr(adminVal(0))+|",|+nl
    adminVal=openGetAdminValue("DAUserCount")
    If Cstr(adminVal(0))="" Then encStr=encStr+|"DAU":"0",|+nl Else encStr=encStr+|"DAU:"|+Cstr(adminVal(0))+|",|+nl
    adminVal=openGetAdminValue("LicenseTrackingDocCount")
    If Cstr(adminVal(0))="" Then encStr=encStr+|"LTD":"0"| Else encStr=encStr+|"LTD:"|+Cstr(adminVal(0))+|"|
    encStr=EncodeBase64(encStr)
    encStr=EncodeBase64(encStr)
    openSetAdminValue "Signature",encStr
    openSetAdminValue "SignatureDate",Now
    openSetAdminValue "SignatureUser",openSession.Username
End Sub
Function EncodeBase64 (StrIn As String) As String
    On Error Goto errHandle
    Dim stream As NotesStream
    Dim tmpDoc As NotesDocument
    Dim body As NotesMIMEEntity
    Set stream = openSession.CreateStream

```

```

        Call stream.WriteText (StrIn)
        Set opendb = openSession.CurrentDatabase
        Set tmpDoc = opendb.CreateDocument
        Set body = tmpDoc.CreateMIMEEntity
        Call body.SetContentFromText (stream, "", ENC_NONE)
        Call body.EncodeContent (ENC_BASE64)
        EncodeBase64 = Replace(Replace(body.ContentAsText, Chr(13),""), Chr(10),"")
errHandle:
        Call stream.Close
        Set tmpdoc = Nothing
        If Err<>0 Then MsgBox "error while creating digital signature"+Chr(10)+"error: "+Error+Chr(10)+"line: "+Cstr(Erl)+"", #: "+Cstr(Err)
        Exit Function
    End Function
(Form) fmLaunch
    Sub Postopen(Source As Notesuidocument)
        Set openWS=New NotesUIWorkspace
        Set openUI=source
        Set openNote=source.Document
    End Sub
    Sub Queryclose(Source As Notesuidocument, Continue As Variant)
        If source.Document.Step(0)=7 Then openSetAdminValue "AllScansComplete","true"
    End Sub
    Sub Queryopen(Source As Notesuidocument, Mode As Integer, Isnewdoc As Variant, Continue As Variant)
        Set openSession=New NotesSession
        Set openDB=openSession.CurrentDatabase
        Set openView=openDB.Getview("config")
        Set openAdmin=openView.Getdocumentbykey("config",t)
        If Not openAdmin Is Nothing Then
            If openAdmin.HasItem("Critical") Then
                Call openAdmin.RemoveItem("Critical")
                Call openAdmin.Save(t,t,t)
            End If
        End If
    End Sub
(Button) Timer
    Sub Click(Source As Button)
        timerSeconds=5
        Set elapsedTime = New NotesTimer(timerSeconds, "")
        On Event Alarm From elapsedTime Call checkSettings
    End Sub
(Button) FirstNext

```



```

Sub Click(Source As Button)
    stepVal="2"
    opennote.~$Buttons =stepVal
    opennote.~$Steps =stepVal
    opennote.Step=Cint(stepVal)
    Call openui.Refresh
End Sub
(Hotspot)    Back
Sub Click(Source As Button)
    stepVal="1"
    opennote.~$Buttons =stepVal
    opennote.~$Steps =stepVal
    opennote.Step=Cint(stepVal)
    Call openui.Refresh
End Sub
(Hotspot)    Next
Sub Click(Source As Button)
    stepVal="3"
    opennote.~$Buttons =stepVal
    opennote.~$Steps =stepVal
    opennote.Step=Cint(stepVal)
    Call openui.Refresh
End Sub
(Hotspot)    Back
Sub Click(Source As Button)
    stepVal="2"
    opennote.~$Buttons =stepVal
    opennote.~$Steps =stepVal
    opennote.Step=Cint(stepVal)
    Call openui.Refresh
End Sub
(Hotspot)    Next
Sub Click(Source As Button)
    stepVal="4"
    opennote.~$Buttons =stepVal
    opennote.~$Steps =stepVal
    opennote.Step=Cint(stepVal)
    Call openui.Refresh
End Sub
(Hotspot)    Back
Sub Click(Source As Button)

```

```

        stepVal="3"
        opennote.~$Buttons =stepVal
        opennote.~$Steps =stepVal
        opennote.Step=Cint(stepVal)
        Call openui.Refresh
    End Sub
    (Hotspot) Next
    Sub Click(Source As Button)
        If openGetAdminValue("EntitlementTrackingServers")(0)<>"" Then
            stepVal="5"
        ElseIf openGetAdminValue("UserReportLocation")(0)<>"" Then
            stepVal="6"
        Else
            CreateDigitalSignature
            stepVal="7"
        End If
        opennote.~$Buttons =stepVal
        opennote.~$Steps =stepVal
        opennote.Step=Cint(stepVal)
        Call openui.Refresh
    End Sub
    (Hotspot) Back
    Sub Click(Source As Button)
        stepVal="4"
        opennote.~$Buttons =stepVal
        opennote.~$Steps =stepVal
        opennote.Step=Cint(stepVal)
        Call openui.Refresh
    End Sub
    (Hotspot) Next
    Sub Click(Source As Button)
        stepVal="7"
        opennote.~$Buttons =stepVal
        opennote.~$Steps =stepVal
        opennote.Step=Cint(stepVal)
        CreateDigitalSignature
        openSetAdminValue "AllScansComplete","true"
        Call openui.Refresh
    End Sub
    (Hotspot) Back
    Sub Click(Source As Button)

```

```
stepVal="4"  
opennote.~$Buttons =stepVal  
opennote.~$Steps =stepVal  
opennote.Step=Cint(stepVal)  
Call openui.Refresh
```

```
End Sub
```

(Hotspot) Next

```
Sub Click(Source As Button)  
stepVal="7"  
opennote.~$Buttons =stepVal  
opennote.~$Steps =stepVal  
opennote.Step=Cint(stepVal)  
CreateDigitalSignature  
openSetAdminValue "AllScansComplete","true"  
Call openui.Refresh  
End Sub
```

Name:

Alias:

Last Modification:

Comment:

Type:

Window Title Formula:

Include in Compose Menu:

Include in Query by Form:

Default Database Form:

Automatically Refresh Fields:

Mail New Documents When Saving:

Store Form In Documents:

Inherit Default Field Values:

Updates Become Responses:

Retain Prior Versions As Responses:

Activate Objects When Composing:

Activate Objects When Editing:

Activate Objects When Reading:

Document Encryption Keys:

Composed Documents May Be Read By:

Form May Be Composed By:

Subcomponents:**Field:**

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Formula:

Is Scripted:

Field:

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

fmLog

config

01/11/2023 02:55:18 PM

[Not Assigned]

Document

"HCL Domino License Analysis - Results From " + @Text(@Created;
"D0T1Z0");

No

No

No

No

No

No

No

No

No

No

No

No

[None Assigned]

All Users

All Users

SaveOptions

Text

[Not Assigned]

Computed

No

Disabled

No

"0"

No

\$Info

Text

[Not Assigned]

Computed for display

No

Disabled

Update Requires Editor Access:

Formula:

Is Scripted:

Field:

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Is Scripted:

Action:

Action:

Action:

Action:

Formula:

Action:

Formula:

JavaScript & HTML Code:

[None]

LotusScript Code:

(Globals)

Option Public

Option Declare

[None]

No

ob := @If(ObservationsDisp = ""; "", @Word(ObservationsDisp; "~"; 1));

@If(ob = ""; "OO"; "O" + ob);

No

Debug

Rich Text

[Not Assigned]

Editable

No

Disabled

No

No

Spacer

FormName

Spacer

Close

@Command([CloseWindow]);

Print

@Command([FilePrint]);

Name:

Alias:

Last Modification:

Comment:

Type:

Window Title Formula:

Include in Compose Menu:

Include in Query by Form:

Default Database Form:

Automatically Refresh Fields:

Mail New Documents When Saving:

Store Form In Documents:

Inherit Default Field Values:

Updates Become Responses:

Retain Prior Versions As Responses:

Activate Objects When Composing:

Activate Objects When Editing:

Activate Objects When Reading:

Document Encryption Keys:

Composed Documents May Be Read By:

Form May Be Composed By:

Subcomponents:**Field:**

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Formula:

Is Scripted:

Field:

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

fmObservations

Observations

01/11/2023 03:22:01 PM

[Not Assigned]

Document

"HCL Domino License Analysis - Results From " + @Text(@Created;
"D0T1Z0");

No

No

No

No

No

No

No

No

No

No

No

No

[None Assigned]

All Users

All Users

SaveOptions

Text

[Not Assigned]

Computed

No

Disabled

No

"0"

No

\$Info

Text

[Not Assigned]

Computed for display

No

Disabled

Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Keyword User Interface:
Allow Values Not In List:
Allowable Keywords Formula:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:
Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Hotspot

Type:
Caption:
Associated Data:

Action:

Action:

Action:

Action:

Formula:

Action:

Formula:

JavaScript & HTML Code:

[None]

No

ob := @If(ObservationsDisp = ""; "", @Word(ObservationsDisp; "~"; 1));
@If(ob = ""; "OO"; "O" + ob);

No

ObservationsDisp

Keywords

[Not Assigned]

Editable

Standard

No

Observations

No

Disabled

No

""

No

Observation

Text

[Not Assigned]

Computed for display

No

Disabled

No

val := ObservationsDisp;@If(val = ""; "", @Word(val; "~"; 2));

No

Link

Click here for full instructions on enabling License Tracking f

[https://help.hcltechsw.com/domino/12.0.0/admin/conf_licensetracking_t.h
tml](https://help.hcltechsw.com/domino/12.0.0/admin/conf_licensetracking_t.html)

Spacer

FormName

Spacer

Close

@Command([CloseWindow]);

Print

@Command([FilePrint]);

LotusScript Code:

(Globals)

```
Option Public
Option Declare
Dim openWS As NotesUIWorkspace
Dim openUI As NotesUIDocument
Dim openNote As NotesDocument
Dim thisUI As NotesUIDocument
Dim thisNote As NotesDocument
Dim openSession As NotesSession
Dim openDB As NotesDatabase
Dim openView As NotesView
```

(Form) User

```
Sub Postopen(Source As NotesUIDocument)
    Set openWS=New NotesUIWorkspace
    Set openUI=source
    Set thisUI=Source
    Set openNote=source.Document
    Set thisNote=source.Document
    Set openSession=New NotesSession
    Set openDB=openSession.CurrentDatabase
End Sub
[None]
```


Name:

Last Modification:
Comment:
Type:
Window Title Formula:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

Subcomponents:**Field:**

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Help Description:
Field Type:

fmResults

01/11/2023 02:55:13 PM
[Not Assigned]
Document
@DbTitle
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

SaveOptions

Text
[Not Assigned]
Computed when composed
No
Disabled
No
"0"
No

PersonDocCount

Number
General
No
No
No
[Not Assigned]
Computed

Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	GroupDocCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	DAUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	LicenseTrackingDocCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]

Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -20; @IsNumber(val); val; -1);
Is Scripted:	No
Field:	ValidUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -10101; val);
Is Scripted:	No
Field:	MailUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); -10101; val);
Is Scripted:	No
Field:	EntitlementTrackingServers
Datatype:	Text
Input Multi-Value Separator(s):	Comma, Semicolon, New Line
Display Multi-Value Separator:	New Line
Help Description:	[Not Assigned]
Field Type:	Computed when composed

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:
Input Multi-Value Separator(s):
Display Multi-Value Separator:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

No

Disabled

No

```
val := @DbLookup("": "NoCache"; ""; "config"; "config"; @ThisName);  
@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "|";  
1));
```

No

UserReportLocation

Text

[Not Assigned]

Computed

No

Disabled

No

```
val := @DbLookup("": "NoCache"; ""; "config"; "config"; @ThisName);  
@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "|";  
1));
```

No

DAScanError

Text

[Not Assigned]

Computed

No

Disabled

No

```
check := @DbLookup("": "NoCache"; ""; "config"; "config";  
"DAScanError");@If(@IsError(check); ""; check = ""; ""; "Note: there was  
an error scanning the additional Domino Directories");
```

No

LicenseTrackingServersMissing

Text

Comma, Semicolon, New Line

New Line

[Not Assigned]

Computed when composed

No

Disabled

No

```
val := @DbLookup("": "NoCache"; ""; "config"; "config"; @ThisName);  
@If(@IsError(val); "< Error Retrieving Server Names >"; val);
```

No

Field:

Datatype:
 Help Description:
 Field Type:
 Sign When Mailing/In Section:
 Encryption:
 Update Requires Editor Access:
 Formula:

Is Scripted:

Hotspot

Type:
 Caption:
 Is Scripted:

Hotspot

Type:
 Caption:
 Formula:

Hotspot

Type:
 Caption:
 Formula:

Hotspot

Type:
 Caption:
 Formula:

Hotspot

Type:
 Caption:
 Formula:

Hotspot

Type:
 Caption:
 Formula:

LDAPDA

Text
 [Not Assigned]
 Computed when composed
 No
 Disabled
 No
 val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);
 @If(@IsError(val); "" ; val);
 No

Button
 GetInfo
 Yes, see below

Button
 OpenReport
 @SetTargetFrame("Main");@Command([OpenFrameset]; "fsReport");

Action Hotspot
 Person
 @Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
 "fsSidebar2"));@Do(@SetTargetFrame("Main");
 @PostedCommand([OpenView]; "UserInfo"));

Action Hotspot
 Documents
 @Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
 "fsSidebar2"));@Do(@SetTargetFrame("Main");
 @PostedCommand([OpenView]; "UserInfo"));

Action Hotspot
 Mail
 @Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
 "fsSidebar3"));@Do(@SetTargetFrame("Main");
 @PostedCommand([OpenView]; "dagroups"));

Action Hotspot
 Users
 @Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
 "fsSidebar3"));@Do(@SetTargetFrame("Main");

Hotspot

Type:
Caption:
Formula:

@PostedCommand([OpenView]; "dagroups"));

Hotspot

Type:
Caption:
Formula:

Action Hotspot

Deny

@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Hotspot

Type:
Caption:
Formula:

Action Hotspot

Access

@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Hotspot

Type:
Caption:
Formula:

Action Hotspot

Groups

@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Hotspot

Type:
Caption:
Formula:

Action Hotspot

Deny

@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Hotspot

Type:
Caption:
Formula:

Action Hotspot

Access

@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Hotspot

Type:
Caption:

Action Hotspot

Users

@Do(@SetTargetFrame("Sidebar"); @Command([OpenFrameset];
"fsSidebar3"));@Do(@SetTargetFrame("Main");
@PostedCommand([OpenView]; "dagroups"));

Hotspot

Action Hotspot

View Printable Report

Type:
Caption:
Is Scripted:
Field:
Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:
Datatype:
Help Description:
Field Type:
Keyword User Interface:
Allow Values Not In List:
Allowable Keywords Formula:

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:
Is Scripted:

Field:
Datatype:
Help Description:
Field Type:
Keyword User Interface:
Allow Values Not In List:
Allowable Keywords Formula:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Field:
Datatype:
Help Description:

Action Hotspot
Open Scan Log
Yes, see below

AdminServer

Text
[Not Assigned]
Computed when composed
No
Disabled
No
val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "AdminServer");
@If(@IsError(val); "< Error Retrieving Admin Server Name >"; val);
No

ServerList

Keywords
[Not Assigned]
Editable
Standard
No
val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "ServerList");
@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "|";
1) + " (" + @Word(val; "|"; 2) + ")");
No
Disabled
No
""

No

EntitlementTrackingServersDisp

Keywords
[Not Assigned]
Editable
Standard
No
EntitlementTrackingServers
No
Disabled
No
No

DAInfo

Text
[Not Assigned]

Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val1 := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "DAName");val2 := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "DAFilename");@If(@IsError(val1); "< Error Retrieving Directory Assistance Information >"; val1 = "" ; "Directory Assistance is not configured."; val1 + " (" + val2 + ")");
Is Scripted:	No
Field:	DAListExternal
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "~"; 1));
Is Scripted:	No
Hide When:	DAListExternal = "";
Field:	DAList
Datatype:	Text
Input Multi-Value Separator(s):	Comma, Semicolon, New Line
Display Multi-Value Separator:	New Line
Help Description:	[Not Assigned]
Field Type:	Computed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "DAList");ret := @ReplaceSubstring(@If(@IsError(val); "< Error Retrieving Server Names >"; @Word(val; "~"; 1)); " "; "!!");@Trim(@If(DAListExternal = "" ; ret; @Replace(ret; DAListExternal; "")));
Is Scripted:	No
Hide When:	DAInfo = "";
Field:	ObservationsDisp
Datatype:	Keywords
Help Description:	[Not Assigned]
Field Type:	Editable

Keyword User Interface:
Allow Values Not In List:
Allowable Keywords Formula:

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Is Scripted:

Subform:

JavaScript & HTML Code:

onClick
onClick
onClick
onClick
onClick

Action Hotspot

Client onClick
document.forms[0].GetInfo.click();
document.forms[0].OpenReport.click()

onClick

Field AdminServer

onClick

Field ServerList

onClick
onClick
onClick

Field DAList

onClick

LotusScript Code:

(Globals)

Option Public
Option Declare
Use "slCore"
Dim thisUI As NotesUIDocument
Dim thisNote As NotesDocument
Sub SendInfo
On Error Goto errHandle
Dim msgStr As String
Dim userName As String
Dim company As String

Standard

No

val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; "Observations");
@If(@IsError(val); "" ; @Word(val; "|"; 1));

No

Disabled

No

No

sfmlInfoOverlays

```

Dim email As String
Dim phone As String
Dim hclNum As String
Dim perCount As Long
Dim daCount As Long
Dim validCount As Long
If db Is Nothing Then QO
If ws Is Nothing Then PO
Dim dialog As New NotesDocument(db)
If GetAdminValue ("Name")(0)="" Then
    If Not ws.dialogbox("dlgUserInfo",t,t,f,f,f,f,"User Information",dialog,t,f,t) Then Exit Sub
    If dialog.CompanyName(0)="" Then msgStr=msgStr+cr+tb+"- Company Name"
    If dialog.HCLAccount(0)="" Then msgStr=msgStr+cr+tb+"- HCL Account #"
    If dialog.Name(0)="" Then msgStr=msgStr+cr+tb+"- Your Name"
    If dialog.Email(0)="" Then msgStr=msgStr+cr+tb+"- Your Email Address"
    If dialog.Phone(0)="" Then msgStr=msgStr+cr+tb+"- Your Phone #"
    If msgStr<>"" Then
        MsgBox "Not all information was provided. All information is required."+cr+msgStr
        Exit Sub
    End If
    SetAdminValue "Name",dialog.Name(0)
    SetAdminValue "Email",dialog.Email(0)
    SetAdminValue "Phone",dialog.Phone(0)
    SetAdminValue "CompanyName",dialog.CompanyName(0)
    SetAdminValue "HCLAccount",dialog.HCLAccount(0)
End If
SetAdminValue "PersonDocCount",thisNote.PersonDocCount(0)
SetAdminValue "DAUserCount",thisNote.DAUserCount(0)
SetAdminValue "ValidUserCount",thisNote.ValidUserCount(0)
Call ws.Editdocument(False,dialog,True,"blank",False,True)
' Call ws.settargetframe("Main")
' Call ws.OpenFrameset("fsReport")
%REM
userName=GetAdminValue("Name")(0)
company=GetAdminValue("CompanyName")(0)
phone=GetAdminValue("Phone")(0)
email=GetAdminValue("Email")(0)
hclNum=GetAdminValue("HCLAccount")(0)
perCount=GetAdminValue("PersonDocCount")(0)
daCount=GetAdminValue("DAUserCount")(0)
validCount=GetAdminValue("ValidUserCount")(0)

```

```

    dialog.Name=userName
    dialog.CompanyName=company
    dialog.Phone=phone
    dialog.Email=email
    dialog.HCLAccount=hclNum
    dialog.PersonDocCount=perCount
    dialog.DAUserCount=daCount
    dialog.ValidUserCount=validCount
    If Not ws.dialogbox("dlgLicenseInfo",t,t,t,f,f,f,"User Information",dialog,t,t,f) Then Exit Sub
    If session.NotesBuildVersion>449 Then
        Dim agent As NotesAgent
        Set agent=db.GetAgent("SendInfo")
        Call agent.Run()
    Else
        dialog.Form="PrintReport"
        Dim newWS As New NotesUIWorkspace
        Call newWS.Editdocument(False,dialog,True,"blank",False,True)
    End If
%ENDREM
errHandle:
    If Err=4840 Then Err=0
    If Err<>0 Then If Err<>4840 Then MsgBox("Error in function ' " & Getthreadinfo(1) & ": " & Getthreadinfo(1) & "' at " & Erl & " : " & Error$+Chr(10)+"Error: " & Err, vbExclamation, "Error")
    Exit Sub
End Sub
(Form) fmWelcome
Sub Queryopen(Source As Notesuidocument, Mode As Integer, Isnewdoc As Variant, Continue As Variant)
'    QO
End Sub
Sub Postopen(Source As Notesuidocument)
'    PO
    Set thisUI=source
    Set thisNote=source.Document
End Sub
(Button) GetInfo
Sub Click(Source As Button)
    On Error Goto errHandle
    Dim msgStr As String
    If db Is Nothing Then QO
    If ws Is Nothing Then PO
    Dim dialog As New NotesDocument(db)
    If GetAdminValue ("Name")(0)="" Then

```

```

If Not ws.dialogbox("dlgUserInfo",t,t,f,f,f,f,"User Information",dialog,t,f,t) Then Exit Sub
If dialog.CompanyName(0)="" Then msgStr=msgStr+cr+tb+"- Company Name"
If dialog.HCLAccount(0)="" Then msgStr=msgStr+cr+tb+"- HCL Account #"
If dialog.Name(0)="" Then msgStr=msgStr+cr+tb+"- Your Name"
If dialog.Email(0)="" Then msgStr=msgStr+cr+tb+"- Your Email Address"
If dialog.Phone(0)="" Then msgStr=msgStr+cr+tb+"- Your Phone #"
If msgStr<>"" Then
    MsgBox "Not all information was provided. All information is required."+cr+msgStr
    Exit Sub
End If
SetAdminValue "Name",dialog.Name(0)
SetAdminValue "Email",dialog.Email(0)
SetAdminValue "Phone",dialog.Phone(0)
SetAdminValue "CompanyName",dialog.CompanyName(0)
SetAdminValue "HCLAccount",dialog.HCLAccount(0)
End If
SetAdminValue "PersonDocCount",thisNote.PersonDocCount(0)
SetAdminValue "DAUserCount",thisNote.DAUserCount(0)
SetAdminValue "ValidUserCount",thisNote.ValidUserCount(0)
errHandle:
If Err=4840 Then Err=0
If Err<>0 Then If Err<>4840 Then MsgBox("Error in function ' " & Getthreadinfo(1) & ": " & Getthreadinfo(1) & "' at " & Erl & " : " & Error$+Chr(10)+"Error")
Exit Sub

```

(Hotspot) Open Scan Log

```

Sub Click(Source As Button)
    Dim logWS As New NotesUIWorkspace
    Dim logSession As New NotesSession
    Dim logDB As NotesDatabase
    Dim logView As NotesView
    Dim logNote As NotesDocument
    Set logDB=logSession.CurrentDatabase
    Set logView=logDB.GetView("(config)")
    Set logNote=logView.GetFirstDocument
    If logNote Is Nothing Then Exit Sub
    Dim logURL As String
    logURL=logNote.NotesURL
    Call logWS.URLOpen(logURL)

```

Name:

Last Modification:
Comment:
Type:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:
PostOpen:

Subcomponents:**Field:**

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Help Description:
Field Type:

fmSidebar

01/11/2023 02:55:14 PM
[Not Assigned]
Document
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users
ENVIRONMENT Override := "" ;@True;

SaveOptions

Text
[Not Assigned]
Computed when composed
No
Disabled
No
"0"
No

Option

Number
General
No
No
No
[Not Assigned]
Computed when composed

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Subform:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

No
Disabled
No
1
No
sfmSidebarOptions

Name:

Last Modification:
Comment:
Type:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:
PostOpen:

Subcomponents:**Field:**

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Help Description:
Field Type:

fmSidebar2

01/11/2023 02:55:15 PM
[Not Assigned]
Document
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users
ENVIRONMENT Override := "" ;@True;

SaveOptions

Text
[Not Assigned]
Computed when composed
No
Disabled
No
"0"
No
Option
Number
General
No
No
No
[Not Assigned]
Computed when composed

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

No
Disabled
No
2
No
sfmSidebarOptions

Subform:
JavaScript & HTML Code:
[None]
LotusScript Code:
[None]

Name:

Last Modification:
Comment:
Type:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:
PostOpen:

Subcomponents:**Field:**

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Help Description:
Field Type:

fmSidebar3

01/11/2023 02:55:15 PM
[Not Assigned]
Document
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users
ENVIRONMENT Override := "" ;@True;

SaveOptions

Text
[Not Assigned]
Computed when composed
No
Disabled
No
"0"
No
Option
Number
General
No
No
No
[Not Assigned]
Computed when composed

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

No
Disabled
No
3
No
sfmSidebarOptions

Subform:
JavaScript & HTML Code:
[None]
LotusScript Code:
[None]

Name:

Alias:
Last Modification:
Comment:
Type:
Window Title Formula:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

Subcomponents:**Field:**

Datatype:
Time Format:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Field:

Datatype:
Time Format:
Help Description:
Field Type:
Sign When Mailing/In Section:

fmUser

User
01/11/2023 02:55:14 PM
[Not Assigned]
Document
"HCL Domino User Information"
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

LicenseTimestamp

Time
01/25/2023
[Not Assigned]
Computed when composed
No
Disabled
No
@ThisValue
No

NABNOTECERTEXPIRY

Time
01/25/2023
[Not Assigned]
Computed when composed
No

Encryption:
Update Requires Editor Access:
Formula:
Is Scripted:

Action:

Action:

Action:

Action:

Formula:

Action:

Formula:

JavaScript & HTML Code:

[None]

LotusScript Code:

(Form) User

```
Sub Queryopen(Source As Notesuidocument, Mode As Integer, Isnewdoc As Variant, Continue As Variant)
```

```
  If source.EditMode Then
```

```
    Print "Document Edits are not allowed"
```

```
    Continue=False
```

```
  End If
```

```
End Sub
```

```
Sub Querymodechange(Source As Notesuidocument, Continue As Variant)
```

```
  If Not source.EditMode Then
```

```
    Print "Document Edits are not allowed"
```

```
    Continue=False
```

```
  End If
```

```
End Sub
```

[None]

Disabled

No

@ThisValue

No

Spacer

FormName

Spacer

Close

@Command([CloseWindow]);

Print

@Command([FilePrint]);

Name:

Alias:
Last Modification:
Comment:
Type:
Window Title Formula:
Include in Compose Menu:
Include in Query by Form:
Default Database Form:
Automatically Refresh Fields:
Mail New Documents When Saving:
Store Form In Documents:
Inherit Default Field Values:
Updates Become Responses:
Retain Prior Versions As Responses:
Activate Objects When Composing:
Activate Objects When Editing:
Activate Objects When Reading:
Document Encryption Keys:
Composed Documents May Be Read By:
Form May Be Composed By:

Subcomponents:**Field:**

Datatype:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Field:

Datatype:

(PrintReport)

PrintReport
01/11/2023 02:55:17 PM
[Not Assigned]
Document
"Your License Information"
No
No
No
No
No
No
No
No
No
No
No
[None Assigned]
All Users
All Users

ValidUserCount

Number
General
No
No
No
[Not Assigned]
Computed when composed
No
Disabled
No
val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);
@If(@IsError(val); "< Error Retrieving Value >"; val);
No

PersonDocCount

Number

Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); "< Error Retrieving Value >"; val);
Is Scripted:	No
Field:	MailUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); "< Error Retrieving Value >"; val);
Is Scripted:	No
Field:	DAUserCount
Datatype:	Number
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); "< Error Retrieving Value >"; val);
Is Scripted:	No
Field:	Name

Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); "< Error Retrieving Value >"; val);
Is Scripted:	No
Field:	Email
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); "< Error Retrieving Value >"; val);
Is Scripted:	No
Field:	Phone
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); "< Error Retrieving Value >"; val);
Is Scripted:	No
Field:	CompanyName
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Computed when composed
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Formula:	val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName); @If(@IsError(val); "< Error Retrieving Value >"; val);
Is Scripted:	No
Field:	HCLAccount
Datatype:	Text

Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Hotspot

Type:
Caption:
Formula:

Hotspot

Type:
Caption:
Formula:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

[Not Assigned]
Computed when composed
No
Disabled
No
val := @DbLookup("" : "NoCache"; "" ; "config"; "config"; @ThisName);
@If(@IsError(val); "< Error Retrieving Value >"; val);
No

Action Hotspot
Show Scan Results
@SetTargetFrame("Inner");@Command([OpenFrameset]; "fsInner");

Action Hotspot
Print This Report
@Command([FilePrint]);

View Information

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

Subcomponents:

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

Column Number:

Column Title:
Column Formula:

Deny Access Groups

dagroups
01/11/2023 02:55:14 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "Group";

1

Lookup
ListName
20 Characters

Yes

No

No

General

No

No

No

01/25/2023 11:12:21 AM

Ascending

Left

None

No

2

Group Name
@Name([Abbreviate]; ListName);

Column Width:	20 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	3
Column Title:	Last Modified
Column Formula:	NABNoteUpdated
Column Width:	14 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	4
Column Title:	# Members
Column Formula:	@If(@IsAvailable(MemberQuantity); MemberQuantity; 0);
Column Width:	8 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	Fixed (0 Decimal Places)
Percentage (value * 100)%:	No

Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	5
Column Title:	# SubGroups
Column Formula:	@If(@IsAvailable(SubgroupQuantity); SubgroupQuantity; 0);
Column Width:	8 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	Fixed (0 Decimal Places)
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	6
Column Title:	[Not Assigned]
Column Formula:	""
Column Width:	1 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	No
Justification:	Left
Totals:	None
Hide Detail Values:	No

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

7
Description
ListDescription
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

Form Formula:

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

Column Number:

Column Title:
Column Formula:

Observations

Observations
01/11/2023 02:55:18 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT (Form = "History" | Form = "config") &
@Text(ObservationsWarning) + @Text(ObservationsSecurity) +
@Text(ObservationsInformation) != "";
"Observations"

1

[Not Assigned]
@If(Form = "config"; "Current"; "Previous") + " Results";
4 Characters

No
No
No
General
No
No
No
01/25/2023 11:12 AM
Ascending, Categorized
Left
None
No
2
Date of Scan
@Created

Column Width:	14 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12 AM
Sorting:	Descending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	3
Column Title:	Administration Server
Column Formula:	AdminServer
Column Width:	20 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	4
Column Title:	# Observations
Column Formula:	warn := @If(ObservationsWarning = ""; 0; ObservationsWarning);sec := @If(ObservationsSecurity = ""; 0; ObservationsSecurity);info := @If(ObservationsInformation = ""; 0; ObservationsInformation);warn + sec + info;
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No

Icon:	No
Number Format:	Fixed (0 Decimal Places)
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	5
Column Title:	# Warnings
Column Formula:	ObservationsWarning
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	6
Column Title:	# Security
Column Formula:	ObservationsSecurity
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending

Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	7
Column Title:	# Info Only
Column Formula:	ObservationsInformation
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
JavaScript & HTML Code:	
[None]	
LotusScript Code:	
[None]	

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:

Scan History

History
01/11/2023 02:55:14 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "History";

1

Date of Scan
@Created
14 Characters

No
No
No
General

No
No
No
01/25/2023 11:12 AM
Descending
Left
None
No

2

Administration Server
AdminServer
20 Characters

No

Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	3
Column Title:	Auth. Users
Column Formula:	ValidUserCount
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	4
Column Title:	Person Docs
Column Formula:	PersonDocCount
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM

Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	5
Column Title:	DA Groups
Column Formula:	GroupDocCount
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
Column Number:	6
Column Title:	DA Users
Column Formula:	DAUserCount
Column Width:	9 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Right
Totals:	None
Hide Detail Values:	No
JavaScript & HTML Code:	
[None]	

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

Subcomponents:**Column Number:**

Column Title:
Column Formula:

Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

Column Number:**User Information**

UserInfo
01/11/2023 02:55:12 PM
[Not Assigned]
Yes
Disabled
Collapsed
None
Automatic
Never
All Users
No
SELECT Form = "User";

1

Lookup (hidden)
certExpired := CertificateExpired;httpPWSet := HTTPPasswordSet;da := DAUser;@If(UserType = "Unknown / Unlicensed"; UserType; HTTPSecure = "false" & httpPWSet = "true"; "Authorized"; httpPWSet = "true" & da != "" & HTTPSecure = "true" & certExpired = "true"; "Invalid"; da != "" & "Invalid"; httpPWSet = "true"; "Authorized"; certExpired = "true"; "Invalid"; "Authorized") + " Users";
10 Characters

Yes
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No
2

Column Title:	[Not Assigned]
Column Formula:	1
Column Width:	4 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	No
Justification:	Right
Totals:	Total
Hide Detail Values:	Yes
Column Number:	3
Column Title:	[Not Assigned]
Column Formula:	certExpired := CertificateExpired;httpPWSet := HTTPPasswordSet;da := DAUser;partial := @If(PartialDAUser = ""; ""; "\\Partial Server Access"); category := @If(UserType = "Unknown / Unlicensed"; UserType; HTTPSecure = "false" & httpPWSet = "true"; "Authorized"; httpPWSet = "true" & da != "" & HTTPSecure = "true" & certExpired = "true"; "Invalid"; da != ""; "Invalid"; httpPWSet = "true"; "Authorized"; certExpired = "true"; "Invalid"; "Authorized") + " Users";@If(category = "Authorized Users"; category + @If(partial = ""; "\\Full Server Access"; partial); category);
Column Width:	2 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending, Categorized
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	4

Column Title:	Full Name
Column Formula:	@Name([Abbreviate]; FullName);
Column Width:	20 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	5
Column Title:	[Not Assigned]
Column Formula:	@If(MailUser = ""; 0; 129);
Column Width:	2 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	Yes
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023 11:12:21 AM
Sorting:	No
Justification:	Center
Totals:	None
Hide Detail Values:	No
Column Number:	6
Column Title:	User Type
Column Formula:	@If(@Contains(USER TYPE; "Unlicensed"); ""; USER TYPE);
Column Width:	10 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No

Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/2023
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	7
Column Title:	License Type
Column Formula:	extNAB := ExternalNAB;extORG := ExternalORG;aclLevel := @Word(EntitlementList; "~"; 2);@If(@IsError(aclLevel); "< Unknown >"; (aclLevel = "Author" aclLevel = "Depositor" aclevel = "Reader" aclLevel = "No Access") & (extNAB + extORG != ""); "CCX"; "CCB");
Column Width:	10 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/2023
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	8
Column Title:	Highest ACL
Column Formula:	@Word(EntitlementList; "~"; 2);
Column Width:	10 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No

Time Format:	01/2023
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	9
Column Title:	Last Accessed
Column Formula:	LicenseTimestamp
Column Width:	10 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/2023
Sorting:	Ascending
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	10
Column Title:	Certificate Expiry
Column Formula:	NABNOTECERTEXPIRY
Column Width:	14 Characters
List Separator:	
Hidden:	No
Responses Only:	No
Icon:	No
Number Format:	General
Percentage (value * 100)%:	No
Parentheses on Negative Numbers:	No
Punctuated at Thousands:	No
Time Format:	01/25/2023
Sorting:	No
Justification:	Left
Totals:	None
Hide Detail Values:	No
Column Number:	11
Column Title:	Domino Directory

Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

NabName + " (" + NabServer + "||" + NabPath + ")";
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

(Action) Export

Option Declare

Sub Click(Source As Button)

Dim session As New NotesSession

Dim db As notesdatabase

Dim dc As NotesDocumentCollection

Dim view As NotesView

Dim ws As New notesuiworkspace

Dim options(3) As String

Dim selection As String

Dim folder As String

Set db=session.CurrentDatabase

options(0)="All User Documents"

options(1)="Authorized Users"

options(2)="Invalid Users"

options(3)="Unknown / Unlicensed Users"

selection=ws.Prompt(4,"What To Export","Which type of User Document do you want to export?","All User Documents",options)

If selection="" Then Exit Sub

folder=ws.Prompt(14, {}, {})

If selection=options(0) Then

Set view=db.GetView("\$All")

Set dc=view.GetAllDocumentsByKey("User")

```

Else
    Set view=db.GetView("UserInfo")
    Set dc=view.GetAllDocumentsByKey(selection)
End If
Export session, folder+"HCL License Analysis - User Export ("&selection&").csv", dc
Msgbox Cstr(dc.Count)+" User documents exported."&Chr(10)&Chr(10)&"Your CSV file is in the following location:"&Chr(10)&folder+"HCL License
End Sub
Sub Export(session As NotesSession,filePath As String, dc As NotesDocumentCollection)
    On Error Goto LogErr
    Dim ec As NotesViewEntryCollection
    Dim ent As NotesViewEntry
    Dim valString As String
    Dim myStream As NotesStream
    Dim fileNum As Integer, count As Integer, x As Integer
    Dim fldArray(6) As String
    Dim strVar As Variant
    Dim doc As NotesDocument
    Dim cs As String
    cs=","
    'Open the file
    Set myStream = session.CreateStream()
    Call myStream.Open(filePath, "ASCII")
    Call myStream.Truncate()
    'Write header row
    valString="User Name,Email,Last Accessed,Certificate Expiry,In Deny Access Group,Domino Directory,Notes User,Web User,LDAP User,Highest
    Call myStream.Writetext(valString, 0)
    'Write line for each entry
    Set doc=dc.GetFirstDocument
    While Not doc Is Nothing
        strVar=Evaluate(|@Name([Abbreviate];FullName)|,doc)
        valString=strVar(0)+cs+doc.InternetAddress(0)+cs
        strVar=Evaluate(|@Text(LicenseTimestamp;"D0T1Z0")|,doc)
        valString=valString+strVar(0)+cs
        strVar=Evaluate(|@Text(NABNOTECERTEXPIRY;"D0T1Z0")|,doc)
        valString=valString+strVar(0)+cs
        If doc.HasItem("DAUser") Then If doc.DAUser(0)="Yes" Then valString=valString+"Yes"
        valString=valString+cs
        valString=valString+doc.NABName(0)+"("&doc.NABServer(0)&"|"&doc.NABPath(0)&")"&cs
        strVar=Evaluate(|@Implode(LicenseProtocol)|,doc)
        If Instr(1,strVar(0),"1",5)<>0 Then valString=valString+"Yes"
        valString=valString+cs
    
```

```

    If Instr(1,strVar(0),"2",5)<>0 Then valString=valString+"Yes"
    valString=valString+cs
    If Instr(1,strVar(0),"3",5)<>0 Then valString=valString+"Yes"
    valString=valString+cs
    If doc.HasItem("EntitlementList") Then
        strVar=Evaluate(|@Word(EntitlementList;"~";2)|,doc)
        valString=valString+strVar(0)+cs
        strVar=Evaluate(|@Word(EntitlementList;"~";1)|,doc)
        valString=valString+strVar(0)+cs
        strVar=Evaluate(|@Word(EntitlementList;"~";3)|,doc)
        valString=valString+strVar(0)+cs
        strVar=Evaluate(|@Word(EntitlementList;"~";4)|,doc)
        valString=valString+|'|+strVar(0)
    Else
        valString=valString+cs+cs+cs
    End If
    Call myStream.Writetext(valString, 0)
    Set doc=dc.GetNextDocument(doc)
Wend
closeFile:
    'Close the file
    Call myStream.Close()
Exit Sub
LogErr:
    Resume closeFile
Exit Sub
End Sub

```

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(config)

config
01/11/2023 02:55:14 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "config";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1

Form
10 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(dauser)

dauser
01/11/2023 02:55:16 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "User" & DAUser != "" & UserType != "Unkown /
Unlicensed";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1

"1"
10 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(groupmembers)

members
01/11/2023 02:55:18 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "Group" & Members != "";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1
Lookup
@LowerCase(Members);
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:

2
Server
@LowerCase(@Trim(Servers));
40 Characters

No

Responses Only:

Icon:

Number Format:

Percentage (value * 100)%:

Parentheses on Negative Numbers:

Punctuated at Thousands:

Time Format:

Sorting:

Justification:

Totals:

Hide Detail Values:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

No

No

General

No

No

No

01/25/2023 11:12:21 AM

Ascending

Left

None

No

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(invalid)

invalid
01/11/2023 02:55:16 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
certExpired := CertificateExpired;httpPWSet := HTTPPasswordSet;da := DAUser;check := @If(HTTPSecure = "false" & httpPWSet = "true";
"Valid"; httpPWSet = "true" & da != "" & HTTPSecure = "true" &
certExpired = "true"; ""; da != ""; ""; httpPWSet = "true"; "Valid";
certExpired = "true"; ""; "Valid");SELECT Form = "User" & check = "" &
UserType != "Unknown / Unlicensed";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1

"all"
10 Characters
No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(mailuser)

mailuser
01/11/2023 02:55:19 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
certExpired := CertificateExpired;httpPWSet := HTTPPasswordSet;da := DAUser;check := @If(HTTPSecure = "false" & httpPWSet = "true"; "Valid"; httpPWSet = "true" & da != "" & HTTPSecure = "true" & certExpired = "true"; "" ; da != "" ; "" ; httpPWSet = "true"; "Valid"; certExpired = "true"; "" ; "Valid");SELECT Form = "User" & check = "Valid" & UserType != "Unknown / Unlicensed" & MailUser != "";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1

"all"
10 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(parentgroups)

parents
01/11/2023 02:55:17 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "Group" & TopLevel != "";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1
Lookup
ListName
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(possibleusers)

possibleusers
01/11/2023 02:55:18 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "User" & UserType != "Unknown / Unlicensed";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1
Lookup
FullName
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:

2
DA User
DAUSER
10 Characters

No

Responses Only:

Icon:

Number Format:

Percentage (value * 100)%:

Parentheses on Negative Numbers:

Punctuated at Thousands:

Time Format:

Sorting:

Justification:

Totals:

Hide Detail Values:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

No

No

General

No

No

No

01/25/2023 11:12:21 AM

Ascending

Left

None

No

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(subgroupsunprocessed)

sgunprocessed
01/11/2023 02:55:18 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "Group" & TopLevel = "" & Servers != "" & Processed =
""
,

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1
Lookup
ListName
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(subgroups)

subgroups
01/11/2023 02:55:18 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "Group" & TopLevel = "";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1
Lookup
ListName
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(users)

users
01/11/2023 02:55:15 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT Form = "User";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1
Lookup
@LowerCase(FullName);
20 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:

2
DA User
DAUSER
10 Characters

No

Responses Only:

Icon:

Number Format:

Percentage (value * 100)%:

Parentheses on Negative Numbers:

Punctuated at Thousands:

Time Format:

Sorting:

Justification:

Totals:

Hide Detail Values:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

No

No

General

No

No

No

01/25/2023 11:12:21 AM

Ascending

Left

None

No

Name:

Alias:
Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(valid)

valid
01/11/2023 02:55:15 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
certExpired := CertificateExpired;httpPWSet := HTTPPasswordSet;da := DAUser;check := @If(HTTPSecure = "false" & httpPWSet = "true";
"Valid"; httpPWSet = "true" & da != "" & HTTPSecure = "true" &
certExpired = "true"; ""; da != ""; ""; httpPWSet = "true"; "Valid";
certExpired = "true"; ""; "Valid");SELECT Form = "User" & check = "Valid"
& UserType != "Unknown / Unlicensed";

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1

"1"
10 Characters
No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending
Left
None
No

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Name:

Last Modification:
Comment:
Default Database View:
No Response Hierarchy:
Categories Initially:
Unread Marks:
Refresh Frequency:
Discard Index:
View May Be Used By:
Time Relative Formulas:
Selection Formula:

(\$All)

01/11/2023 02:55:17 PM
[Not Assigned]
No
Disabled
Expanded
None
Automatic
Never
All Users
No
SELECT @All

Subcomponents:**Column Number:**

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

1

1
10 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
No
Left
Total
Yes

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:

2
Form
@If(Form = "config"; "1. Scan Log"; Form);
10 Characters

No
No

Icon:
Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

Column Number:

Column Title:
Column Formula:
Column Width:
List Separator:
Hidden:
Responses Only:
Icon:

Number Format:
Percentage (value * 100)%:
Parentheses on Negative Numbers:
Punctuated at Thousands:
Time Format:
Sorting:
Justification:
Totals:
Hide Detail Values:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

No
General
No
No
No
01/25/2023 11:12:21 AM
Ascending, Categorized
Left
None
No
3
[Not Assigned]
@Created
10 Characters

No
No
No
General
No
No
No
01/25/2023 11:12:21 AM
No
Left
None
No

Subform Information

Name:

Last Modification:

Include in Insert Subform list:

Include in New Form dialog:

Subcomponents:

Field:

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Default Value Formula:

Is Scripted:

Field:

Datatype:

Help Description:

Field Type:

Sign When Mailing/In Section:

Encryption:

Update Requires Editor Access:

Default Value Formula:

Is Scripted:

Field:

sfmInfoOverlays

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Yes

No

nl

Text

[Not Assigned]

Editable

No

Disabled

No

@NewLine

No

AU

Text

[Not Assigned]

Editable

No

Disabled

No

"This is the number of users who can access your HCL Domino server(s).

Authorized Users are calculated using the following logic:" + nl + "-

There is a Person document for the user" + nl + "- They have a

valid Notes Certificate" + nl + "- If no Notes Certificate exists, they have

an Internet Password set for web access" + nl + "- The user's

name is not listed in any Deny Access Groups that are in use on the

HCL Domino server(s). If there are multiple HCL Domino servers, the

user MUST be listed in the Deny Access Group used for each HCL

Domino server to be considered an Invalid User" + nl + "- If the user is

listed in a Deny Access Group that is in use, but the HCL Domino servers

are incorrectly configured to still allow access using a web

browser, they will be considered an Authorized User" + nl;

No

PD

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

Is Scripted:

Field:

Datatype:
Help Description:
Field Type:

Text
[Not Assigned]
Editable
No
Disabled
No
"This is the total number of Person documents discovered in your HCL Domino server environment"

No

DAG

Text
[Not Assigned]
Editable
No
Disabled
No
"This is the number of Deny Access Groups that are listed on the HCL Domino server document(s)."

No

DAU

Text
[Not Assigned]
Editable
No
Disabled
No
"This is the total number of users in your HCL Domino environment that have been determined to have no access to the HCL Domino server(s). Deny Access Users are calculated using the following logic:" + nl + "- There is a Person document for the user" + nl + "- The Notes Certificate is expired" + nl + "- There is no Internet Password set" + nl + "- The user's name exists in a Deny Access Group that is in use on the HCL Domino server. If there are multiple HCL Domino servers, the user's name is listed in ALL Deny Access Groups in use for each HCL Domino server" + nl + "- The HCL Domino server(s) are configured to enforce security settings on all HTTP traffic";

No

AS

Text
[Not Assigned]
Editable

Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

No
Disabled
No
"This is the HCL Domino Administration server that was the first HCL Domino server in your environment. Most, if not all, server configuration and User details are stored on this HCL Domino server."

Is Scripted:

No

Field:

DSE

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

Text
[Not Assigned]
Editable
No
Disabled
No

"This is the full list of HCL Domino servers in your environment. This list will also indicate if the HCL Domino server is Available or Offline. If the HCL Domino server is offline, this can indicate an issue with accessing the HCL Domino server or that the HCL Domino server is permanently offline, yet the Server Configuration document is still available."

Is Scripted:

No

Field:

ET

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

Text
[Not Assigned]
Editable
No
Disabled
No

"This is a list of the HCL Domino servers in your environment that have an Entitlement Tracking application scanning for user's implicit and explicit access to the various HCL Domino applications on the server."

Is Scripted:

No

Field:

DA

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Default Value Formula:

Text
[Not Assigned]
Editable
No
Disabled
No

"If your HCL Domino servers use Directory Assistance, this value will indicate the Title and file location of the Directory Assistance Catalog application"

Is Scripted:	No
Field:	ADD
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	"This is a list of all additional HCL Domino Directories that are configured in the Directory Assistance Catalog. If one of these values are in blue, it is assumed that all external users (CCX Users) are managed in that specific Domino Directory."
Is Scripted:	No
Field:	OB
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	"This is a list of findings that were observed during the environment scans. These will be in one of three categories:" + nl + nl + "- \Informational\": items that do not need immediate attention but you should be aware of" + nl + "- \Warnings\": items that you need to be aware of as they can cause performance issues in your environment" + nl + "- \Security\": items that you should address immediately to ensure that your environment is fully secured";
Is Scripted:	No
Field:	MU
Datatype:	Text
Help Description:	[Not Assigned]
Field Type:	Editable
Sign When Mailing/In Section:	No
Encryption:	Disabled
Update Requires Editor Access:	No
Default Value Formula:	"This is the total number of Mail Users discovered in your HCL Domino server environment"
Is Scripted:	No
Field:	TitleDisp
Datatype:	Text
Help Description:	[Not Assigned]

Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

Hotspot

Type:
Caption:
Formula:

Field:

Datatype:
Help Description:
Field Type:
Sign When Mailing/In Section:
Encryption:
Update Requires Editor Access:
Formula:

Is Scripted:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

Computed for display

No

Disabled

No

info := ShowInfo;options := "AU" : "PD" : "DAG" : "DAU" : "AS" : "DSE" :
"ET" : "DA" : "ADD" : "OB" : "MU";visual := "Authorized Users" : "Person
Documents" : "Deny Access Groups" : "Deny Access Users" :
"Administration Server" : "All Domino Servers in Environment" :
"Entitlement Tracking Servers" : "Directory Assistance Information" :
"Additional Domino Directories" : "Observations" : "Mail Users";
@Replace(info; options; visual);
No

Action Hotspot

X

FIELD ShowInfo := "" ;@Command([ToolsRefreshAllDocs]);
@Command([RefreshHideFormulas]);

InfoDisp

Text

[Not Assigned]

Computed for display

No

Disabled

No

info := ShowInfo;options := "AU" : "PD" : "DAG" : "DAU" : "AS" : "DSE" :
"ET" : "DA" : "ADD" : "OB" : "MU";visual := AU : PD : DAG : DAU : AS :
DSE : ET : DA : ADD : OB : MU;@Replace(info; options; visual);
No

Name:

Last Modification:

Include in Insert Subform list:

Include in New Form dialog:

Subcomponents:**Graphic Button**

Formula:

Hotspot

Type:

Caption:

Formula:

Graphic Button

Formula:

Hotspot

Type:

Caption:

Formula:

Graphic Button

Formula:

Hotspot

Type:

Caption:

Formula:

Graphic Button

Formula:

Hotspot

Type:

Caption:

sfmSidebarOptions

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Yes

No

```
FIELD Option := 1;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenFrameset];  
"fsResults");
```

Action Hotspot

Scan Results

```
FIELD Option := 1;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenFrameset];  
"fsResults");
```

```
FIELD Option := 2;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView]; "UserInfo");
```

Action Hotspot

User Information

```
FIELD Option := 2;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView]; "UserInfo");
```

```
FIELD Option := 3;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView]; "dagroups");
```

Action Hotspot

Deny Access Groups

```
FIELD Option := 3;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView]; "dagroups");
```

```
FIELD Option := 5;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView];  
"Observations");
```

Action Hotspot

Observations

Formula:

Graphic Button

Formula:

Hotspot

Type:

Caption:

Formula:

Graphic Button

Formula:

Hotspot

Type:

Caption:

Formula:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

```
FIELD Option := 5;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView];  
"Observations");
```

```
FIELD Option := 4;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView]; "History");
```

Action Hotspot

Previous Results

```
FIELD Option := 4;@Command([RefreshHideFormulas]);  
@SetTargetFrame("Main");@PostedCommand([OpenView]; "History");
```

```
@SetTargetFrame("Inner");@PostedCommand([OpenFrameset];  
"fsLaunch");
```

Action Hotspot

Return to Wizard

```
@SetTargetFrame("Inner");@PostedCommand([OpenFrameset];  
"fsLaunch");
```

Code Library Information

Name:

slCore

Last Modification:

01/11/2023 02:55:13 PM

LotusScript Code:

```
Option Public
Option Declare
Use "slUtilities"
Dim dadb As NotesDatabase
Dim dirArray() As Variant
Dim svrName As NotesName
Dim nab As NotesDatabase
Dim svrNote As NotesDocument
Dim nabFilename As String
Const adminProfileName="environmentinfo"
Const userProfileName="userinfo"
' these are to allow more than 65536 Group names. With these variables we will be able to load up 1,000,000 Group names
Dim allGroupNames1 As Variant
Dim allGroupNames2 As Variant
Dim allGroupNames3 As Variant
Dim allGroupNames4 As Variant
Dim allGroupNames5 As Variant
Dim allGroupNames6 As Variant
Dim allGroupNames7 As Variant
Dim allGroupNames8 As Variant
Dim allGroupNames9 As Variant
Dim allGroupNames10 As Variant
Dim allGroupNames11 As Variant
Dim allGroupNames12 As Variant
Dim allGroupNames13 As Variant
Dim allGroupNames14 As Variant
Dim allGroupNames15 As Variant
Dim allGroupNames16 As Variant
Dim allGroupNames17 As Variant
Dim allGroupNames18 As Variant
Dim allGroupNames19 As Variant
Dim allGroupNames20 As Variant
```

```

Dim allGroupNames21 As Variant
Dim allGroupNames22 As Variant
Dim allGroupNames23 As Variant
Dim allGroupNames24 As Variant
Dim allGroupNames25 As Variant
Dim allGroupNames26 As Variant
Dim allGroupNames27 As Variant
Dim allGroupNames28 As Variant
Dim allGroupNames29 As Variant
Dim allGroupNames30 As Variant
Dim allGroupNames31 As Variant
Dim allGroupNames32 As Variant
Dim allGroupNames33 As Variant
Dim allGroupNames34 As Variant
Dim allGroupNames35 As Variant
Dim allGroupNames36 As Variant
Dim allGroupNames37 As Variant
Dim allGroupNames38 As Variant
Dim allGroupNames39 As Variant
Dim allGroupNames40 As Variant
Sub Initialize
    cr=Chr(10)
    tb=Chr(9)
    ReDim orgArray(0)
    nabFilename="names.nsf"
End Sub
Function CheckServerSettings() As Boolean
    If Not debug Then On Error GoTo errHandle
    LogStep norm,CStr(Now)+tb+"CheckServerSettings" - begin|
    Dim nabView As NotesView
    Dim nabdoc As NotesDocument
    Dim globaldoc As NotesDocument
    Dim docFound As Boolean
    Dim licArray As Variant
    Dim missingArray As Variant
    Dim svrArray As Variant
    Dim splitVar As Variant
    Dim licDB As NotesDatabase
    Dim licView As NotesView
    Dim licNote As NotesDocument
    Dim licDBCreated As NotesDateTime

```



```

Dim response As Integer
Dim x As Integer,y As Integer,z As Integer
ReDim licArray(0)
licArray(0)=""
ReDim missingArray(0)
missingArray(0)=""
ReDim svrArray(0)
svrArray(0)=""
Set nabView=nab.GetView("($Servers)")
If nabView Is Nothing Then
    LogStep warn,CStr(Now)+tb+|In "CheckServerSettings" - View cannot be located - "($Servers)"|
    Set nabView=nab.GetView("($ServersLookup)")
End If
If nabView Is Nothing Then
    LogStep warn,CStr(Now)+tb+|In "CheckServerSettings" - View cannot be located - "($ServersLookup)"|
    Set nabView=nab.GetView("Servers")
End If
If nabView Is Nothing Then
    errString=|A View is missing form your Domino Directory - "Servers"|
    errNum=9999
    errLine=35
    errCritical=t
    Exit Function
End If
LogStep norm,CStr(Now)+tb+|In "CheckServerSettings" - locating Admin server doc|
Set nabdoc=nabView.GetDocumentByKey(svrName.Canonical,f)
If nabdoc Is Nothing Then
    Set nabdoc=nabView.GetFirstDocument
    While Not nabDoc Is Nothing
        If LCase(nabdoc.ServerName(0))=LCase(svrName.Canonical) Then GoTo nextStep
        Set nabdoc=nabView.GetNextDocument(nabdoc)
    Wend
End If
nextStep:
If nabdoc Is Nothing Then GoTo cannotGetValues
LogStep norm,CStr(Now)+tb+|In "CheckServerSettings" - Admin server doc located|
LogStep norm,CStr(Now)+tb+|In "CheckServerSettings" - checking for Directory Assistance info|
' check for Directory Assistance configuration. If it is enabled, get all additional Domino Directories
SetAdminValue "DAScanError",""
If nabdoc.Hasitem("MasterAddressBook") Then
    If nabdoc.MasterAddressBook(0)<>"" Then

```

```

        SetAdminValue "DAFilename", nabdoc.MasterAddressBook(0)
        Set dadb=session.Getdatabase(svrName.Canonical,nabdoc.MasterAddressBook(0))
        If Not dadb.Isopen Then Call dadb.Open("", "")
        If dadb.Isopen Then
            SetAdminValue "DAName", dadb.Title
            If Not GetDADirectories Then SetAdminValue "DAScanError", "true"
        End If
    End If
End If
' check for the Entitlement Tracking db on the accessible servers
LogStep norm,CStr(Now)+tb+|In "CheckServerSettings" - checking for Entitlement Tracking apps|
svrArray=GetAdminValue("ServerList")
ReDim licArray(0)
licArray(0)=""
y=0
If svrArray(0)<>"" Then
    For x=0 To UBound(svrArray)
        splitVar=Split(svrArray(x), "|")
        If splitVar(1)="Available" Then
            Set licDB=session.Getdatabase(splitVar(0), "entitlementtrack.ncf")
            If Not licDB.isopen Then Call licDB.Open("", "")
            If licDB.isopen Then
                ReDim Preserve licArray(y)
                licArray(y)=splitVar(0)
                y=y+1
            End If
        End If
    Next
End If
SetAdminValue "EntitlementTrackingServers", licArray
' ask questions here
' Question 1: - User Report Tool
If licArray(0)="" Then
    LogStep norm,CStr(Now)+tb+|In "CheckServerSettings" - asking for User Report Tool output|
    ' there is no Entitlement Tracking dbs - ask for a location of a User Report Tool if they have one unless the User Report Tool has already been s
    If GetAdminValue("UserReportLocation")(0)="" Then
        response=MsgBox("For better analysis of CCB / CCX licenses, we require the results from the User Report Tool."+cr+cr+"Do you have resu
        If response=6 Then
            SetAdminValue "PauseTimer", "true"
            SelectURT
            SetAdminValue "PauseTimer", ""
        End If
    End If
End If

```

```

        End If
    End If
End If
' Question 2: Extenal Users
Dim ask As Boolean
Dim msgStr As String
If UBound(GetAdminValue("Orgs"))>0 Then ask=t
If GetAdminValue("DAList")(0)<>"" Then ask=t
If GetAdminValue("DAListExternal")(0)<>"" Then ask=f
If GetAdminValue("OrgsExternal")(0)<>"" Then ask=f
If ask Then
    LogStep norm,CStr(Now)+tb+|In "CheckServerSettings" - asking about external users|
    msgStr=|Does your organization have "External Users" configured in your environment?|+cr+cr+|An "External User" Is a unique person who is N
    |who Is assigned Authorized User Access To the Program with restricted maximum level of a HCL Domino application Access (ACL) As "AUTH
    |but may be reassigned To another user after thirty (30) days of inactivity.|
    response=MsgBox(msgStr,36,"External Users?")
    If response=6 Then
        Dim dialog As New NotesDocument(db)
        If ws Is Nothing Then Set ws=New NotesUIWorkspace
        SetAdminValue "PauseTimer", "true"
        If ws.Dialogbox("dlgExternalQA", t, t, f, f, f, f, "", dialog, t, f, t) Then
            SetAdminValue "DAListExternal", dialog.DAListExternal(0)
            SetAdminValue "OrgsExternal", dialog.Getfirstitem("OrgsExternal").Values
        End If
        SetAdminValue "PauseTimer", "true"
    End If
End If
End If
' check for the License Tracking db on the accessible servers
LogStep norm,CStr(Now)+tb+|In "CheckServerSettings" - checking for License Tracking apps|
CheckLicenseTrackingSettings
exitThis:
LogStep norm,CStr(Now)+tb+|"CheckServerSettings" - finished|
CheckServerSettings=t
Exit Function
cannotGetValues:
MsgBox "Could not locate information about the HCL Domino server from the HCL Domino Directory. Please ensure that you can connect to your H
Exit Function
perdocError:
MsgBox "Could not scan for Person documents in your HCL Domino Directory. Please ensure that you can connect to your HCL Domino Administra
Exit Function
errHandle:

```

```

If Err<>0 Then
    errString=Error
    errNum=Err
    errLine=Erl
    ReportError "There was an Error in the (CheckServerSettings) function. The details of the Error are below:"
End If
Exit Function
End Function
Function GetDenyAccessGroups() As Boolean
If Not debug Then On Error GoTo errHandle
%REM
    so here's what we need to do:
    - Get the list of "Deny Access" groupd that were found on the server docs and put them into an array (remove any duplicate names)
    - Verify that thr Group exists in the main NAB, if a Group does not exist then remove it form the list
    - for each remaining Group name make a DA Group doc in this db
    - Get the matching Group doc from the main NAB
    - move all Members onto the DA Group doc in this db.
        - while scanning the Members, check to see if they are also a Group value. If they are, then make a note of the extra Group on the DA Grou
        remove the value from the Members list and add the Group name to an additional array for further processing later
    - Once all original DA Groups have been processed, start processing any additional Groups that were found when scanning the Members lists
%END REM
LogStep norm,CStr(Now)+tb+|"GetDenyAccessGroups" - begin|
Dim allGroupNames() As String
Dim serverName As NotesName
Dim serverArray As Variant
Dim daGroups() As String
Dim foundGroups() As String
Dim missingGroups() As String
Dim daGroupServer() As String
Dim subGroups() As String
Dim memberNames() As String
Dim splitVar As Variant
Dim missingDA As Boolean
Dim daGroupView As NotesView
Dim groupView As NotesView
Dim daView As NotesView
Dim nabNote As NotesDocument
Dim daNote As NotesDocument
Dim item As NotesItem
Dim w As Long, x As Long, y As Long, z As Long
Dim savelt As Boolean

```

```

Dim neededFields(7) As String
neededFields(0)="listname"
neededFields(1)="nabnoteupdated"
neededFields(2)="memberquantity"
neededFields(3)="subgroupquantity"
neededFields(4)="listdescription"
neededFields(5)="servers"
neededFields(6)="parentgroup"
neededFields(7)="form"
Const low=-32768
ReDim daGroups(0)
ReDim foundGroups(0)
ReDim missingGroups(0)
ReDim daGroupServer(0)
ReDim subGroups(0)
ReDim memberNames(0)
Set daView=db.Getview("dagroups")
Call daView.Refresh()
daView.Autoupdate=f
' scan the list of servers to first make sure they are Available, then grab a list of the Deny Access Groups configured on the servers
serverArray=GetAdminValue("ServerList")
If Not IsArray(serverArray) Then errNum=9003:errLine=10:errString=|List of HCL Domino Servers is not set|:GoTo errHandle
If serverArray(0)="" Then errNum=9003:errLine=10:errString=|List of HCL Domino Servers is not set|:GoTo errHandle
For x=0 To UBound(serverArray)
    If InStr(1,serverArray(x),"Available",5)<>0 Then
        splitVar=Split(serverArray(x),"|")
        Set serverName=New NotesName(splitVar(0))
        splitVar=StrToken(serverArray(x),"|",3)
        If splitVar="" Then ' at least one of the Servers is not using Deny Access Groups. This means that all users can access that server wh
            missingDA=t
            Observation 1005,|The HCL Domino server "|+serverName.Abbreviated+"| is not using any Deny Access Groups to secure server acce
            LogStep sec,CStr(Now)+tb+|The HCL Domino server "|+serverName.Abbreviated+"| is not using any Deny Access Groups to secure se
        ElseIf InStr(splitVar,"~") Then
            splitVar=Split(splitVar,"~")
            For y=0 To UBound(splitVar)
                If Not IsNumeric(ArrayGetIndex(daGroups,splitVar(y))) Then
                    ReDim Preserve daGroups(z)
                    daGroups(z)=splitVar(y)
                    z=z+1
                End If
            Next
        End If
    End If
Next

```

```

        Else
            If Not IsNumeric(ArrayGetIndex(daGroups,splitVar)) Then
                ReDim Preserve daGroups(z)
                daGroups(z)=splitVar
                z=z+1
            End If
        End If
    End If
Next
' setup the Views from the Domino Directory
Set groupView=nab.GetView("($VIMGroups)" )
Call groupView.Refresh()
groupView.Autoupdate=f
Set daGroupView=nab.Getview("DenyLists")
Call daGroupView.Refresh()
daGroupView.Autoupdate=f
%rem
x=low
' load all available Group Names into an array for use later in this function
Set nabNote=groupView.Getfirstdocument()
While Not nabNote Is Nothing
    ReDim Preserve allGroupNames(low To x)
    allGroupNames(x)=LCase(nabNote.ListName(0))
    x=x+1
    Set nabNote=groupView.Getnextdocument(nabNote)
Wend
Set nabNote=daGroupView.Getfirstdocument()
While Not nabNote Is Nothing
    ReDim Preserve allGroupNames(low To x)
    allGroupNames(x)=LCase(nabNote.ListName(0))
    x=x+1
    Set nabNote=daGroupView.Getnextdocument(nabNote)
Wend
x=0
Stop
%endrem
GetAllGroupNames groupView,daGroupView
' now check to see if the Deny Access Group actually exists in the Domino Directory - if a DA Group is missing then list it on the config document
y=0
Dim memberName As NotesName
Dim groupName As NotesName

```

```

Dim checkVal As String
Dim processedGroups() As String
Dim allSubGroups() As String
Dim firstScan As Boolean
ReDim processedGroups(0)
ReDim allSubGroups(0)
firstScan=t
startScan:
For x=0 To UBound(daGroups)
    If Not IsNumeric(ArrayGetIndex(processedGroups,LCase(daGroups(x)))) Then ' if the group name has not yet been processed then scan it
        Set groupName=New NotesName(daGroups(x))
        Set nabNote=daGroupView.Getdocumentbykey(groupName.Abbreviated,t)
        If nabNote Is Nothing Then Set nabNote=groupView.Getdocumentbykey(groupName.Abbreviated,t)
        If nabNote Is Nothing Then
            ReDim missingGroups(y)
            missingGroups(y)=daGroups(x)
            Observation 1006,|The Deny Access Group named "|+daGroups(x)+|" appears to be missing from your Domino Directory|,""
            LogStep norm,CStr(Now)+tb+|The Deny Access Group named "|+daGroups(x)+|" appears to be missing from your Domino Directory|
        Else
            ' add the Group name to the "processed" array
            z=UBound(processedGroups)
            If processedGroups(z)<>"" Then z=z+1
            ReDim Preserve processedGroups(z)
            processedGroups(z)=LCase(daGroups(x))
            Set daNote=daView.Getdocumentbykey(groupName.Abbreviated,t)
            If daNote Is Nothing Then
                Set daNote=db.Createdocument()
                daNote.Form="Group"
                daNote.ListName=nabNote.ListName(0)
            End If
            daNote.NABNoteUpdated=nabNote.lastmodified
            daNote.ListDescription=nabNote.ListDescription(0)
            If firstScan Then daNote.ParentGroup=nabNote.ListName(0)
            Set item=nabNote.Getfirstitem("Members")
            If item Is Nothing Then
                ' the Group in the NAB has no values in the "Members" field. Just save the DA Group document and carry on to the next Group value
                daNote.Members=""
                Call daNote.Save(t,t,t)
                Observation 1007,|The Deny Access Group named "|+daGroups(x)+|" has no Members listed|,""
                LogStep norm,CStr(Now)+tb+|The Deny Access Group named "|+daGroups(x)+|" has no Members listed|
            Else
                item.Text="" Then

```

```

' the Group in the NAB has no values in the "Members" field. Just save the DA Group document and carry on to the next Group value
daNote.Members=""
Call daNote.Save(t,t,t)
Observation 1007,|The Deny Access Group named "|+daGroups(x)+|" has no Members listed|,""
LogStep norm,CStr(Now)+tb+|The Deny Access Group named "|+daGroups(x)+|" has no Members listed|
Else
' cycle through all the "Members" values and add them to the "member names" array
z=0
w=0
ReDim memberNames(z)
ReDim subGroups(0)
For y=0 To UBound(item.Values)
' If Not isGroup(CStr(item.Values(y)),allGroupNames,foundGroups) Then
If Not isGroup(LCase(CStr(item.Values(y))),foundGroups) Then
Set memberName=New NotesName(CStr(item.Values(y)))
If Not IsNumeric(ArrayGetIndex(memberNames,memberName.Abbreviated)) Then
ReDim Preserve memberNames(z)
memberNames(z)=memberName.Abbreviated
z=z+1
End If
Else
ReDim Preserve subGroups(w)
subGroups(w)=item.Values(y)
w=w+1
End If
Next
Call daNote.Removeitem("Members")
Call daNote.Removeitem("SubGroups")
Call daNote.Replaceitemvalue("Members",FullTrim(memberNames))
Call daNote.Replaceitemvalue("SubGroups",FullTrim(subGroups))
If memberNames(0)="" Then daNote.MemberQuantity=0 Else daNote.MemberQuantity=UBound(memberNames)+1
If subGroups(0)="" Then daNote.SubgroupQuantity=0 Else daNote.SubgroupQuantity=UBound(subGroups)+1
Call daNote.Save(t,t,t)
End If
End If
' if any sub groups were located, add them to the list of all sub groups
If subGroups(0)<>"" Then
LogStep norm,CStr(Now)+tb+|Processing Recursive Groups|
z=UBound(allSubGroups)
If allSubGroups(z)<>"" Then z=z+1
For y=0 To UBound(subGroups)

```



```

        ' get the lowercase values of the "allSubGroups" array
        checkVal=LCase(Join(allSubGroups,"~"))
        If InStr(1,checkVal,subGroups(y),5)=0 Then
            ' group is not in the array yet, add it
            ReDim Preserve allSubGroups(z)
            allSubGroups(z)=subGroups(y)
            z=z+1
        End If
    Next
End If
End If
Next
' if there were any sub groups located, start this process again
If allSubGroups(0)<>"" Then
    y=0
    For x=0 To UBound(allSubGroups)
        ReDim Preserve daGroups(y)
        daGroups(y)=allSubGroups(x)
        y=y+1
    Next
    ReDim allSubGroups(0)
    firstScan=f
    GoTo startScan
End If
' all DA Groups have been captured, now get the list of DA Groups used per server and store it back onto the DA Group docs
daView.Autoupdate=t
Call daView.Refresh()
daView.Autoupdate=f
Dim newServerArray As Variant
ReDim newServerArray(0)
newServerArray(0)=""
serverArray=GetAdminValue("ServerList")
%REM
WHAT WE NEED TO DO NOW
1. Get all "Top Level" groups based on what is stored on the Server documents (In the "ServerList" Field On the admin doc) and stamp the servers that
2. Get all Sub Group docs that are on the "Top Level" DA Group docs and stamp the "ParentGroup" value as the Top Level Group name
   - also move the list of Servers from the Top Level Group onto the SubGroup
3. Repeat #2 for any SubGroups found on the SubGroups
%endrem
' first find all "Top Level" DA Groups that are listed on the Server docs and stamp them with the servers that use them and indicate that they are "Top
For x=0 To UBound(serverArray)

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If InStr(1,serverArray(x),"Available",5)<>0 Then ' server is available, get the DA Group doc and do the needful
    splitVar=Split(serverArray(x),"|")
    Set serverName=New NotesName(splitVar(0))
    splitVar=StrToken(serverArray(x),"|",3)
    If splitVar<>"" Then ' DA Groups are present, go get the DA Group names
        ReDim DAGroups(0)
        z=0
        If InStr(splitVar,"~") Then
            splitVar=Split(splitVar,"~")
            For y=0 To UBound(splitVar)
                If Not IsNumeric(ArrayGetIndex(daGroups,splitVar(y))) Then
                    ReDim Preserve daGroups(z)
                    daGroups(z)=splitVar(y)
                    z=z+1
                End If
            Next
        Else
            daGroups(z)=splitVar
            z=z+1
        End If
        ' now go get the DA Groups and stamp the server name onto them and also indicate that it is a "Top Level" DA Group
        For z=0 To UBound(daGroups)
            Set daNote=daView.Getdocumentbykey(daGroups(z))
            If Not daNote Is Nothing Then
                daNote.TopLevel="true"
                If daNote.hasitem("Servers") Then
                    newServerArray=daNote.Getfirstitem("Servers").Values
                    If Not IsNumeric(ArrayGetIndex(newServerArray,serverName.Abbreviated)) Then
                        w=UBound(newServerArray)
                        If newServerArray(w)<>"" Then w=w+1
                        ReDim Preserve newServerArray(w)
                        newServerArray(w)=serverName.Abbreviated
                        Call daNote.Removeitem("Servers")
                        Call daNote.Replaceitemvalue("Servers", FullTrim(newServerArray))
                    End If
                Else
                    daNote.Servers=serverName.Abbreviated
                End If
                Call daNote.Save(t,t,t)
            End If
        Next
    Next

```

```

        End If
    End If
Next
'NOTE - need to do a check to see if any of the servers DO NOT use Deny Access Groups, as this negates any other checks
' not sure 100% if this is needed, since this would also be picked up when processing the user docs (since the server would be missing from the DB)
' Now, using the "Top Level" Groups, find any SubGroups that are listed on them, then find those SubGroups and stamp them with the Top Level Group name
Dim topDAView As NotesView
Dim subDAView As NotesView
Dim procView As NotesView
Dim unprocView As NotesView
Dim subNote As NotesDocument
Dim parentGroups() As String
Dim restart As Boolean
Set topDAView=db.Getview("parents")
Call topDAView.Refresh()
Set subDAView=db.Getview("subgroups")
Call subDAView.Refresh()
Set daNote=topDAView.Getfirstdocument()
While Not daNote Is Nothing
    If daNote.Hasitem("SubGroups") Then
        If daNote.SubGroups(0)<>"" Then
            For x=0 To UBound(daNote.SubGroups)
                Set subNote=subDAView.Getdocumentbykey(daNote.SubGroups(x))
                If Not subNote Is Nothing Then
                    ' sub group was found - stamp it with the Top Level Group name (in the ParentGroup field) and place the server names onto the list
                    If subNote.Hasitem("ParentGroup") Then
                        If subNote.ParentGroup(0)<>"" Then
                            z=0
                            For y=0 To UBound(subNote.ParentGroup)
                                If LCase(subNote.ParentGroup(y))<>LCase(daNote.ListName(0)) Then
                                    ReDim Preserve parentGroups(z)
                                    parentGroups(z)=subNote.ParentGroup(y)
                                    z=z+1
                                End If
                            Next
                            ReDim Preserve parentGroups(z)
                            parentGroups(z)=daNote.ListName(0)
                        Else
                            subNote.ParentGroup=daNote.ListName(0)
                        End If
                    End If
                End If
            Next
        End If
    End While

```

```

        subNote.ParentGroup=daNote.ListName(0)
    End If
    ' now add the list of servers from the Top Level Group onto the SubGroup (merge servers if they already exist on the document)
    Set item=daNote.Getfirstitem("Servers")
    If subNote.Hasitem("Servers") Then
        If subNote.Servers(0)<>"" Then
            serverArray=ArrayAppend(item.Values,subnote.Getfirstitem("Servers").Values)
            RemoveDuplicates serverArray
            Call subNote.Removeitem("Servers")
            Call subNote.Replaceitemvalue("Servers",serverArray)
        Else
            Call item.Copyitemtodocument(subNote,"Servers")
        End If
    Else
        Call item.Copyitemtodocument(subNote,"Servers")
    End If
    Call subNote.Save(t,t,t)
End If
Next
End If
End If
Set daNote=topDAView.Getnextdocument(daNote)
Wend
loopStart:
Set unprocView=db.Getview("sgunprocessed")
Call unprocView.Refresh()
unprocView.Autoupdate=f
Call subDAView.Refresh()
Set daNote=unprocView.Getfirstdocument()
While Not daNote Is Nothing
    If daNote.Hasitem("SubGroups") Then
        If daNote.SubGroups(0)<>"" Then
            For x=0 To UBound(daNote.SubGroups)
                Set subNote=subDAView.Getdocumentbykey(daNote.SubGroups(x))
                If Not subNote Is Nothing Then
                    ' sub group was found - stamp it with the Top Level Group name (in the ParentGroup field) and place the server names onto the
                    If subNote.Hasitem("ParentGroup") Then
                        If subNote.ParentGroup(0)<>"" Then
                            z=0
                            For y=0 To UBound(subNote.ParentGroup)
                                If LCase(subNote.ParentGroup(y))<>LCase(daNote.ListName(0)) Then

```

```

        ReDim Preserve parentGroups(z)
        parentGroups(z)=subNote.ParentGroup(y)
        z=z+1
    End If
Next
ReDim Preserve parentGroups(z)
parentGroups(z)=daNote.ListName(0)
Else
    subNote.ParentGroup=daNote.ListName(0)
End If
Else
    subNote.ParentGroup=daNote.ListName(0)
End If
' now add the list of servers from the Top Level Group onto the SubGroup (merge servers if they already exist on the document)
Set item=daNote.Getfirstitem("Servers")
If subNote.Hasitem("Servers") Then
    If subNote.Servers(0)<>"" Then
        serverArray=ArrayAppend(item.Values,subnote.Getfirstitem("Servers").Values)
        RemoveDuplicates serverArray
        Call subNote.Removeitem("Servers")
        Call subNote.Replaceitemvalue("Servers",serverArray)
    Else
        Call item.Copyitemtodocument(subNote,"Servers")
    End If
Else
    Call item.Copyitemtodocument(subNote,"Servers")
End If
Call subNote.Save(t,t,t)
End If
Next
daNote.Processed="true"
Call daNote.Save(t,t,t)
Else
    daNote.Processed="true"
    Call daNote.Save(t,t,t)
End If
Else
    daNote.Processed="true"
    Call daNote.Save(t,t,t)
End If
Set daNote=unprocView.Getnextdocument(daNote)

```

```

Wend
unprocView.Autoupdate=t
Call unprocView.Refresh()
Set daNote=unprocView.Getfirstdocument()
If Not daNote Is Nothing Then GoTo loopStart
' now count the # of DA Groups that are in this db and set that value to the admin doc
daView.Autoupdate=t
Call daView.Refresh()
daView.Autoupdate=f
Dim viewNav As NotesViewNavigator
Set viewNav=daView.Createviewnav()
SetAdminValue "GroupDocCount",viewNav.Count
If Not ProcessDenyAccessNames Then SetAdminValue "DAUserProcessingError","There was a problem during the processing of Deny Access Us
' indicate on the config doc if there is a server that does not have a Deny Access Group listed
If missingDA Then SetAdminValue"DAMissing","true" Else SetAdminValue "DAMissing",""
LogStep norm,CStr(Now)+tb+"GetDenyAccessGroups" - finished|
GetDenyAccessGroups=t
errHandle:
If Err<>0 Then
    errString=Error
    errNum=Err
    errLine=Err
    ReportError "There was an Error during the (GetDenyAccessGroups) function. The details of the Error are below:"
End If
Exit Function
End Function
Sub GetListOfOrgs(currentNAB As NotesDatabase)
On Error GoTo errHandle:
Dim orgArray As Variant
Dim x As Integer, y As Integer
Dim formula As String
Dim colVar As Variant
orgArray=GetAdminValue("Orgs")
formula=|@DbColumn("";"|+currentNAB.Server+"|:"|+currentNAB.FilePath+"|;"PeopleCat";1)|
colVar=Evaluate(formula)
x=UBound(orgArray)
If orgArray(x)<>"" Then x=x+1
If colVar(0)<>"" Then
    For y=0 To UBound(colVar)
        If colVar(y)<>mainO Then
            If Not IsNumeric(ArrayGetIndex(orgArray,colVar(y))) Then

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```

                ReDim Preserve orgArray(x)
                orgArray(x)=colVar(y)
            End If
        End If
    Next
End If
SetAdminValue "Orgs",orgArray
errHandle:
Err=0
Exit Sub
End Sub
Function GetAdminServerInfo () As Boolean
    If Not debug Then On Error GoTo errHandle
    LogStep norm,CStr(Now)+tb+"GetAdminServerInfo" - begin|
    Dim profile As NotesDocument
    Dim books As Variant
    Dim adminServer As String
    If session Is Nothing Then QO
    ' find the server Domino Directory and discover the Admin Server value form the "DirectoryProfile" profile document
    books = session.AddressBooks
    ForAll b In books
        Call b.Open( "", "" )
        Set nab=b
        If nab.Server<>"" And LCase(nab.Filename)="names.nsf" Then
            Set profile=nab.Getprofiledocument("DirectoryProfile")
            If profile.Hasitem("AdminServer") Then
                If profile.AdminServer(0)<>"" Then
                    ' admin server has been located. set the value and exit the forall
                    adminServer=profile.AdminServer(0)
                    LogStep norm,CStr(Now)+tb+|In "GetAdminServerInfo" - svrName = |+adminServer
                    Exit ForAll
                End If
            End If
        End If
    End ForAll
    ' if the adminServer variable is not set, ask the user to select their Admin server's Domino Directory
    If adminServer="" Then SelectNAB adminServer
    ' if the adminServer value is still not set, exit out of this and set the value "Critical" onto the config document so that the remaining code stops exscu
    If adminServer="" Then SetAdminValue "Critical","true":Exit Function
    ' set the global "svrName" variable and then get the Admin server's directory
    Set svrName=New NotesName(adminServer)

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Set nab=session.Getdatabase(svrName.Canonical,"names.nsf")
If Not nab.Isopen Then Call nab.Open("", "")
If Not nab.isopen Then
    Set nab=session.Getdatabase(svrName.Canonical,nabFilename)
    If Not nab.Isopen Then Call nab.Open("", "")
End If
If nab.Isopen Then
    SetAdminValue "AdminServer",svrName.Abbreviated
    GetListOfOrgs nab
Else
    GoTo errNoNAB
End If
' get the list of all Domino servers
LogStep norm,CStr(Now)+tb+"GetAdminServerInfo" - GetServerList - begin|
SetAdminValue "ServerList",GetServerList
LogStep norm,CStr(Now)+tb+"GetAdminServerInfo" - GetServerList - finished|
' check the users ability to view the "Deny Access Groups" view. Without this access, the remainder of this process cannot continue
LogStep norm,CStr(Now)+tb+"GetAdminServerInfo" - CheckUserAccess - begin|
If Not CheckUsersAccess Then SetAdminValue "Critical","true":Exit Function
LogStep norm,CStr(Now)+tb+"GetAdminServerInfo" - CheckUserAccess - finished|
LogStep norm,CStr(Now)+tb+"GetAdminServerInfo" - finished|
GetAdminServerInfo=t
Exit Function
errNoNAB:
MsgBox "Your Primary Domino Directory could not be located."+cr+cr+"Make sure that you can connect to your HCL Domino server and try again."
SetAdminValue "Critical","true"
Exit Function
errHandle:
If Err<>0 Then
    errString=Error
    errNum=Err
    errLine=Erl
    ReportError "There was an Error in the (GetAdminServerInfo) function. The details of the Error are below:"
End If
Exit Function
End Function
Function IsGroupOLD(memberValue As String,allGroupNames() As String,foundGroups() As String) As Boolean
Dim c As Integer
If Not IsNumeric(ArrayGetIndex(allGroupNames,LCase(memberValue))) Then Exit Function ' the member value is not a Group - exit out of this
c=UBound(foundGroups)
If foundGroups(c)<>"" Then c=c+1

```



```

        ReDim Preserve foundGroups(c)
        foundGroups(c)=memberValue
        IsGroupOLD=t
    End Function
Sub CheckLicenseTrackingSettings()
On Error GoTo errHandle
    Dim nabView As NotesView
    Dim nabNote As NotesDocument
    Dim adminVar As Variant
    Dim svrList As Variant
    Dim svrListNormalized As Variant
    Dim svrEnabledList() As String
    Dim svrDisabledList() As String
    Dim splitVar As Variant
    Dim svrName As NotesName
    Dim x As Integer, y As Integer, z As Integer, pos As Integer
    Dim globalEnabled As Boolean
    ReDim svrList(0)
    ReDim svrListNormalized(0)
    ReDim svrEnabledList(0)
    ReDim svrDisabledList(0)
    adminVar=GetAdminValue("ServerList")
    ' get a list of all Available servers
    For x=0 To UBound(adminVar)
        splitVar=Split(adminVar(x),",")
        If splitVar(1)="Available" Then
            ReDim Preserve svrListNormalized(y)
            ReDim Preserve svrList(y)
            svrListNormalized(y)=LCase(splitVar(0))
            svrList(y)=splitVar(0)
            y=y+1
        End If
    Next
    ' get the "Configurations" view in the domino Directory
    Set nabView=nab.Getview("Configurations")
    Call nabView.Refresh()
    nabView.Autoupdate=f
    ' get the first document in the view and check if it is the "General Configuration Settings" doc, if it is then check to see if the setting is enabled
    Set nabNote=nabView.Getfirstdocument()
    If nabNote Is Nothing Then GoTo notEnabled
    If nabNote.ServerName(0)="*" Then

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        If nabNote.HasItem("LicTrackON") Then If nabNote.LicTrackON(0)="1" Then globalEnabled=t
    End If
    If globalEnabled Then
        Set nabNote=nabView.Getnthdocument(2)
    Else
        Set nabNote=nabView.Getfirstdocument()
    End If
    x=0
    y=0
    While Not nabNote Is Nothing
        Set svrName=New NotesName(nabNote.ServerName(0))
        If IsNumeric(ArrayGetIndex(svrListNormalized,LCase(svrName.Abbreviated))) Then ' server has configuration document, check the se
            Call nabNote.Computewithform(f,f)
            If nabNote.LicTrackON(0)="1" Then
                ReDim Preserve svrEnabledList(x)
                svrEnabledList(x)=svrName.Abbreviated+"|"+svrName.Abbreviated
                x=x+1
            Else
                ReDim Preserve svrDisabledList(y)
                svrDisabledList(y)=svrName.Abbreviated
                y=y+1
            End If
            ' remove the server name from the full list of servers
            pos=ArrayGetIndex(svrListNormalized,LCase(svrName.Abbreviated))
            svrList(pos)=""
            svrListNormalized(pos)=""
        End If
        Set nabNote=nabView.Getnextdocument(nabNote)
    Wend
notEnabled:
    svrList=FullTrim(svrList) ' remove any blank entries in the list of servers
    If svrList(0)<>"" Then
        If globalEnabled Then ' if the global config has the value enabled, add the remaining servers to the "Enabled" list
            x=UBound(svrEnabledList)
            If svrEnabledList(x)<>"" Then x=x+1
            For y=0 To UBound(svrList)
                ReDim Preserve svrEnabledList(x)
                svrEnabledList(x)=svrList(y)+"|"+svrList(y)
                x=x+1
            Next
        Else ' if the global config has the value disabled, add the remaining servers to the "Disabled" list

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        x=UBound(svrDisabledList)
        If svrDisabledList(x)<>"" Then x=x+1
        For y=0 To UBound(svrList)
            ReDim Preserve svrDisabledList(x)
            svrDisabledList(x)=svrList(y)+"|"+svrList(y)
            x=x+1
        Next
    End If
End If
' for the servers that are configured, set their names into the "LicenseTrackingServers" config field
SetAdminValue "LicenseTrackingServers",svrEnabledList
' for the servers that are NOT configured, set their names into the "LicenseTrackingServersMissing" config field
SetAdminValue "LicenseTrackingServersMissing",svrDisabledList
' for all servers in the "disabled" list, add an Observation
If svrDisabledList(0)<>"" Then
    For x=0 To UBound(svrDisabledList)
        Observation 1004,"The License Tracking task is not running on the HCL Domino server "+svrDisabledList(x),"
        LogStep norm,CStr(Now)+tb+|The License Tracking task is not running on the HCL Domino server: "|+svrDisabledList(x)+|
    Next
End If
errHandle:
If Err<>0 Then
    errString=Error
    errNum=Err
    errLine=Erl
    ReportError "There was an Error in the (CheckLicenseTrackingSettings) function. The details of the Error are below:"
End If
Exit Sub
End Sub
Function CheckDesign() As Boolean
    If Not debug Then On Error GoTo errHandle
    Dim view As NotesView
    Dim viewNote As NotesDocument
    Dim valCheck As NotesName
    If db Is Nothing Then QO
    Set view=db.Getview("config")
    If view Is Nothing Then
        errNum=9001
        errLine=12
        errString=|Design element cannot be located - View: (FormDesign)|
        GoTo errHandle
    End If

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End If
Set viewNote=db.Getdocumentbyunid(view.Universalid)
Set valCheck=New NotesName(viewNote.Getfirstitem("$UpdatedBy").Values(UBound(viewNote.Getfirstitem("$UpdatedBy").Values)))
If valCheck.Organization<>currentUser.Organization Then Exit Function
CheckDesign=t
errHandle:
If Err<>0 Then
    errString=Error
    errNum=Err
    errLine=Erl
    ReportError "There was an Error checking the signer of this HCL Notes application design (CheckDesign function). The details of the Error are l
End If
Exit Function
End Function
Function CheckUsersAccess() As Boolean
' in this function, if anything fails exit and do not allow user to continue with any additional functionality
If Not debug Then On Error GoTo errHandle
LogStep norm,CStr(Now)+tb+"CheckUserAccess" - begin|
Dim aclLevel As Integer
Dim checkView As NotesView
' check the user's ACL access. If it is less than Designer, alert the user and exit this
aclLevel=nab.Currentaccesslevel
If aclLevel<5 Then GoTo exitWithMsg
SetProfileValue userProfileName,session.Username,"AccessLevel",aclLevel
' check to see if the user can access the "Deny Access Groups" in the nab. If they can see it hten they have proper access
Set checkView=nab.Getview("DenyLists")
If checkView Is Nothing Then GoTo exitNoRole
SetProfileValue userProfileName,session.Username,"HasRole","true"
SetProfileValue userProfileName,session.Username,"HasAccess","true"
LogStep norm,CStr(Now)+tb+"CheckUserAccess" - finished|
CheckUsersAccess=t
Exit Function
exitWithMsg:
MsgBox "You do not have the proper access level to the HCL Domino Directory on the server: "+GetAdminValue("AdminServer")(0)+cr+cr+"In order
Exit Function
exitNoRole:
MsgBox |You do not have the proper access to the HCL Domino Directory on the server: |+GetAdminValue("AdminServer")(0)+cr+cr+|In order to us
Exit Function
errHandle:
' some errors cannot be trapped. For this reason, we are not alerting the user to any of the errors, we're just going to exit and not allow the user to d
Exit Function

```

```

End Function
Function ProcessEntitlements(processDB As NotesDatabase, isUserReport As Boolean) As Boolean
    If Not debug Then On Error GoTo errHandle
    LogStep norm,CStr(Now)+tb+|"ProcessEntitlements" - begin|
    Dim enView As NotesView
    Dim enNote As NotesDocument
    Dim enNav As NotesViewNavigator
    Dim userNote As NotesDocument
    Dim userView As NotesView
    Dim item As NotesItem
    Dim perName As NotesName
    Dim enServer As NotesName
    Dim key As String
    Dim nameCol As Integer
    Dim serverCol As Integer
    Dim accessCol As Integer
    Dim dbCol As Integer
    Dim aclCol As Integer
    Dim newVal As String
    Dim valArray() As String
    Dim pos As Integer
    Dim x As Integer,y As Integer
    ReDim valArray(0)
    nameCol=0
    accessCol=1
    aclCol=3
    If isUserReport Then
        serverCol=1
        accessCol=2
        dbCol=3
        aclCol=4
    End If
    Set enView=processDB.Getview("Users")
    Call enView.Refresh()
    enView.Autoupdate=f
    Dim svrName As New NotesName(processDB.Server)
    Set userView=db.Getview("users")
    Call userView.Refresh()
    userView.Autoupdate=f
    Set enNav=enView.Createviewnav()
    If enNav.Count=0 Then GoTo exitThis

```

```

Set userNote=userView.Getfirstdocument()
While Not userNote Is Nothing
    Set perName=New NotesName(userNote.FullName(0))
    key=perName.Abbreviated
    Set enNote=enView.Getdocumentbykey(key)
    If Not enNote Is Nothing Then
        If isUserReport Then
            newVal=enNote.Columnvalues(serverCol)
        Else
            Set enServer=New NotesName(enNote.HighestAccessServerName(0))
            newVal=enServer.Abbreviated
        End If
        key=newVal
        If isUserReport Then
            newVal=newVal+"~"+enNote.Columnvalues(accessCol)+"~"+enNote.Columnvalues(dbCol)+"~"+enNote.Columnvalues(aclCol)
        Else
            newVal=newVal+"~"+enNote.Columnvalues(accessCol)+"~"+enNote.HighestAccessDatabase(0)+"~"+enNote.Columnvalues(aclCol)
        End If
        If userNote.Hasitem("EntitlementList") Then
            pos=-1
            ReDim valArray(UBound(userNote.EntitlementList))
            For x=0 To UBound(userNote.EntitlementList)
                valArray(x)=userNote.EntitlementList(x)
                If InStr(1,userNote.EntitlementList(x),key,5)<>0 Then pos=x
            Next
            If pos>=-1 Then
                valArray(pos)=newVal
            Else
                x=UBound(valArray)+1
                ReDim Preserve valArray(x)
                valArray(x)=newVal
            End If
        Else
            ReDim valArray(0)
            valArray(0)=newVal
        End If
        Call userNote.RemoveItem("EntitlementList")
        Call userNote.ReplaceItemValue("EntitlementList",valArray)
        Call userNote.Save(t,t,t)
    End If
    Set userNote=userView.getnextdocument(userNote)

```

```

    Wend
exitThis:
    LogStep norm,CStr(Now)+tb+"ProcessEntitlements" - finished|
    ProcessEntitlements=t
    Exit Function
errHandle:
    If Err<>0 Then
        errString=Error
        errNum=Err
        errLine=Erl
        ReportError "There was an Error in the (ProcessEntitlements) function. The details of the Error are below:"
    End If
    Exit Function
End Function
Function GetServerList() As Variant
    On Error Resume Next
    Dim svrView As NotesView
    Dim nav As NotesViewNavigator
    Dim entry As NotesViewEntry
    Dim entryNote As NotesDocument
    Dim testDB As NotesDatabase
    Dim svrName As NotesName
    Dim count As Integer
    Dim tmpVal As Variant
    Dim availCount As Integer
    Dim httpSecure As Boolean
    Dim ldapSecure As Boolean
    Dim valSet As String
    Dim colNum As Integer
    Dim online As Boolean
    ' assume both of these will be true unless found otherwise when scanning the server document
    httpSecure=t
    ldapSecure=t
    Set svrView=nab.GetView("($Servers)")
    If svrView Is Nothing Then
        errString=|A View is missing form your Domino Directory - "($Servers)"|
        errNum=9999
        errLine=35
        errCritical=t
        ReportError "There was an Error in the (GetServerList) function. The details of the Error are below:"
        Exit Function
    End If

```

```

End If
svrView.AutoUpdate = False
Set nav = svrView.CreateViewNav
Set entry = nav.GetFirstDocument
While Not entry Is Nothing
    If IsArray (entry.ColumnValues) Then
        If entry.ColumnValues (0) <> "" And entry.Columnvalues(0) <> "" Then
            ReDim Preserve serverList (count)
            Set entryNote = entry.Document
            Set svrName = New NotesName(entryNote.ServerName(0))
            serverList(count) = svrName.Abbreviated
            ' check to see if the server is available by attempting access to it's Domino Log file
            Set testDB = session.Getdatabase(svrName.Canonical, "log.nsf")
            If Not testDB.Isopen Then Call testDB.Open("", "")
            If testDB.Isopen Then
                serverList(count) = serverList(count) + "|Available"
                availCount = availCount + 1
                online = t
            Else
                serverList(count) = serverList(count) + "|Offline"
                Observation 1001, |The HCL Domino Server "| + svrName.Abbreviated + "|" appears to be Offline|, svrName.Abbreviated
                LogStep warn, CStr(Now) + tb + |The HCL Domino Server "| + svrName.Abbreviated + "|" appears to be Offline|
                online = f
            End If
            ' Get the list of Deny Access values from the server document
            tmpVal = Evaluate(|@Implode(DenyAccess;"~")|, entryNote)
            serverList(count) = serverList(count) + "|" + tmpVal(0)
            serverList(count) = serverList(count) + "|"
            If entryNote.HTTP_NormalMode(0) = "0" Then                                     ' if the port is not enabled, then indicate that it is secured
                serverList(count) = serverList(count) + "true"
            ElseIf entryNote.HTTP_EnforceAccess(0) = "1" Then                         ' if the port is enforcing Deny Access Group security then indicate that the
                serverList(count) = serverList(count) + "true"
            Else
                If online Then
                    If testDB.isopen Then httpSecure = f
                    Observation 1002, |The HCL Domino Server "| + svrName.Abbreviated + "|" is not properly secured for HTTP traffic|, svrName.Abbreviated
                    LogStep sec, CStr(Now) + tb + |The HCL Domino Server "| + svrName.Abbreviated + "|" is not properly secured for HTTP traffic|
                End If
            End If
            serverList(count) = serverList(count) + "|"
            If entryNote.LDAP_PortStatus(0) = "0" Then                                ' if the port is not enabled, then indicate that it is secured

```



```

        serverList(count)=serverList(count)+"true"
    Elself entryNote.LDAP_EnforceAccess(0)="1" Then      ' if the port is enforcing Deny Access Group security then indicate that the
        serverList(count)=serverList(count)+"true"
    Else
        If online Then
            If testDB.isopen Then ldapSecure=f
            Observation 1003,|The HCL Domino Server "|+svrName.Abbreviated+"| is not properly secured for LDAP traffic|,svrName.Abbbr
            LogStep sec,CStr(Now)+tb+|The HCL Domino Server "|+svrName.Abbreviated+"| is not properly secured for LDAP traffic|
        End If
    End If
    count = count + 1
End If
Err=0
Set entry=nav.GetNextDocument (entry)
Wend
valSet="false"
If httpSecure Then valSet="true"
SetAdminValue "HTTPSecure",valSet
valSet="false"
If ldapSecure Then valSet="true"
SetAdminValue "LDAPSecure",valSet
SortArray serverList
GetServerList=serverList
Err=0
End Function
Function GetDADirectories() As Boolean
    If Not debug Then On Error GoTo errHandle
    LogStep norm,CStr(Now)+tb+|"GetDADirectories" - begin|
    Dim daDC As NotesDocumentCollection
    Dim daNote As NotesDocument
    Dim rti As NotesRichTextItem
    Dim rtnav As NotesRichTextNavigator
    Dim rtlink As NotesRichTextDocLink
    Dim daArray() As String
    Dim fullArray() As String
    Dim x As Integer, y As Integer
    Dim splitVar As Variant
    Dim testDB As NotesDatabase
    Dim dblInfo As String
    Dim adminServer As String

```

```

ReDim daArray(0)
ReDim fullArray(0)
adminServer=GetAdminValue(" AdminServer")(0)
Set daDC=dadb.Search(|Form="DirectoryAssistance"|,Nothing , 0)
If daDC.count=0 Then
    SetAdminValue "DADirectoryList","< No Additional Domino Directories are configured in the Directory Assistance application >"
    GoTo exitThis
End If
Set daNote=daDC.Getfirstdocument()
While Not daNote Is Nothing
    If daNote.DomainType(0)="LDAP" Then
        Observation 1009,|The Directory Assistance configuration "|+daNote.DomainName(0)+|" (|+daNote.DomainTitle(0)+|) is a LDAP Directory.|
        SetAdminValue "LDAPDA", "true"
    Else
        Set rti=daNote.Getfirstitem("DatabaseLinks")
        If Not rti Is Nothing Then
            Set rtnav=rti.Createnavigator()
            If rtnav.FindFirstElement(RTELEM_TYPE_DOCLINK) Then ' links have been found. process them
                Do
                    Set rtlink = rtnav.GetElement
                    If rtlink.DbReplicaID<>"" Then
                        ReDim Preserve daArray(x)
                        daArray(x)=rtlink.Serverhint+"~"+rtlink.DbReplicaID
                        x=x+1
                    End If
                Loop While rtnav.FindNextElement
            End If
        End If
        For y=0 To 4 ' loop through the pre-defined set of fields for manually listing additional directories
            If daNote.Getfirstitem("Enabled_"+CStr(y)).Text="1" And daNote.Getfirstitem("ServerName_"+CStr(y)).Text<>"" And daNote.Getfirstitem("AddressBook_"+CStr(y)).Text<>"" Then
                ReDim Preserve daArray(x)
                If daNote.Getfirstitem("ServerName_"+CStr(y)).Text="" Then
                    daArray(x)=adminServer+"~"+LCase(daNote.Getfirstitem("AddressBook_"+CStr(y)).Text)
                Else
                    daArray(x)=daNote.Getfirstitem("ServerName_"+CStr(y)).Text+"~"+LCase(daNote.Getfirstitem("AddressBook_"+CStr(y)).Text)
                End If
                x=x+1
            End If
        Next
    End If
    Set daNote=daDC.Getnextdocument(daNote)

```

```

Wend
If daArray(0)<>"" Then ' look for the extra directories. If they are available then list them
    y=0
    For x=0 To UBound(daArray)
        splitVar=Split(daArray(x),"~")
        If Right(splitVar(1),4)=".nsf" Then
            Set testDB=session.Getdatabase(splitVar(0), splitVar(1))
        Else
            Set testDB=New NotesDatabase("", "")
            Call testDB.Openbyreplicaid(splitVar(0), splitVar(1))
        End If
        If Not testDB.isopen Then Call testDB.Open("", "")
        If testDB.Isopen Then
            Set svrName=New NotesName(testDB.Server)
            dblInfo=svrName.Abbreviated+"|"+testDB.Filepath
            LogStep norm,CStr(Now)+tb+|Checking design of Domino Directory - |+testDB.Title+" ("&dblInfo&")"
            If CheckNABDesign(testDB) Then
                If Not IsNumeric(ArrayGetIndex(fullArray,testDB.Title+" ("&dblInfo&")"+"~"+dblInfo)) Then
                    ReDim Preserve fullArray(y)
                    fullArray(y)=testDB.Title+" ("&dblInfo&")"+"~"+dblInfo
                    GetListOfOrgs testDB
                    y=y+1
                End If
            Else
                Observation 1008,|The HCL Domino Directory configured in Directory Assistance cannot be located - Server: |+splitVar(0)+| (file na
                LogStep warn,CStr(Now)+tb+|The HCL Domino Directory configured in Directory Assistance cannot be located - Server: |+splitVar(
            End If
        Else
            LogStep norm,CStr(Now)+tb+|Invalid Domino Directory design, skipping - |+testDB.Title+" ("&dblInfo&")"
        End If
    Next
    SetAdminValue "DAList",fullArray
End If
exitThis:
    LogStep norm,CStr(Now)+tb+|"GetDADirectories" - finished|
    GetDADirectories=t
errHandle:
    If Err<>0 Then
        errString=Error
        errNum=Err
        errLine=Erl
    
```

```

        ReportError "There was an Error in the (GetDADirectories) function. The details of the Error are below:"
    End If
    Exit Function
End Function
Sub SelectURT()
    Dim svr As NotesName
    Dim newList As Variant
    Dim newValue As String
    Dim dbFile As Variant
    Dim sourceInfo(1) As String
    Dim selectedDB As NotesDatabase
    Dim x As Integer
selectURT:
    If session Is Nothing Then QO
    If ws Is Nothing Then Set ws=New NotesUIWorkspace
    newList=ws.Prompt(13,"Select HCL Notes Application","Select the User Report Tool from the list below")
    If IsEmpty(newlist) Then Exit Sub
    If UBound(newList)>0 Then                                ' let's see if they selected multiple dbs
        If UBound(newList)<>2 Then GoTo tryAgain
        If InStr(1,newList(1),"~")<>0 Then GoTo tryAgain
        If InStr(1,newList(1),".nsf" "|,5)<>0 Then GoTo tryAgain
    End If
    If UBound(newList)=2 Then                                ' array - extract proper values
        Set svr=New NotesName(newList(0))
        If svr.Common="" Then sourceInfo(0)="Local Workstation" Else sourceInfo(0)=svr.Abbreviated
        sourceInfo(1)=newList(1)
    Else                                                    ' single value, split it up
        newValue=StrToken(newList(0),"|",2)
        Set svr=New NotesName(StrToken(newValue,"~",1))
        If svr.Common="" Then sourceInfo(0)="Local Workstation" Else sourceInfo(0)=svr.Abbreviated
        sourceInfo(1)=StrToken(newValue,"~",2)
    End If
    If InStr(1,sourceInfo(1),"")<>0 Then
        dbFile=Split(Left(sourceInfo(1),Len(sourceInfo(1))-4),"\")
        dbFile=dbFile(UBound(dbFile))
    Else
        dbFile=Left(sourceInfo(1),Len(sourceInfo(1))-4)
    End If
    If sourceInfo(0)="Local Workstation" Then Set selectedDB=session.GetDatabase("",sourceInfo(1)) Else Set selectedDB=session.GetDatabase(sourceInfo(0),sourceInfo(1))
    If Not selectedDB.IsOpen Then Call selectedDB.Open("", "")
    If Not selectedDB.IsOpen Then MsgBox "The User Report Tool you selected is not accessible. Please try again." : Exit Sub

```

```

Dim checkForm As NotesForm
Dim checkView As NotesView
Set checkForm=selectedDB.Getform("Person")
If checkForm Is Nothing Then GoTo notValid
Set checkForm=selectedDB.Getform("Server")
If checkForm Is Nothing Then GoTo notValid
Set checkView=selectedDB.Getview("Server Summary")
If checkView Is Nothing Then GoTo notValid
Set checkView=selectedDB.Getview("Users")
If checkView Is Nothing Then GoTo notValid
Set checkView=selectedDB.Getview("AccessByAccess")
If checkView Is Nothing Then GoTo notValid
Dim value As String
value=selectedDB.Title+" ("&sourceInfo(0)&"!!"&sourceInfo(1)&")|"&sourceInfo(0)&"~"&sourceInfo(1)
SetAdminValue "UserReportLocation",value
Exit Sub
notValid:
If MsgBox("The HCL Notes application that you chose is not a valid User Report Tool,"&cr&cr&"Do you want to select a different User Report Tool?")=vbYes Then
Exit Sub
tryagain:
MsgBox "Only one application can be selected. Please try again."
Exit Sub
End Sub
Function GetLicenseTrackingInfo(licDB As NotesDatabase, noteCount As Long) As Boolean
If Not debug Then On Error GoTo errHandle
LogStep norm,CStr(Now)+tb+|"GetLicenseTrackingInfo" - begin|
Dim licNote As NotesDocument
Dim licView As NotesView
Dim userNote As NotesDocument
Dim userView As NotesView
Dim userNav As NotesViewNavigator
Dim userEntry As NotesViewEntry
Dim userName As NotesName
Dim item As NotesItem
Dim copyItem As NotesItem
Dim update As Boolean
Dim tmpVal As Variant
Dim unlicensed As Boolean
Set licView=licDB.Getview("AllUsers")
Call licView.Refresh()
licView.Autoupdate=f

```

```

Set userView=db.Getview("possibleusers")
Call userView.Refresh()
userView.Autoupdate=f
Set userNav=userView.Createviewnav()
Set userNote=userView.Getfirstdocument()
Set userEntry=userNav.Getfirst()
While Not userEntry Is Nothing
    unlicensed=f
    If userNote.hasitem("UserType") Then If userNote.UserType(0)="Unknown / Unlicensed" Then unlicensed=t
    Set userName=New NotesName(userEntry.Columnvalues(0))
    Set licNote=licView.Getdocumentbykey(userName.Abbreviated,t)
    If Not licNote Is Nothing Then
        Set userNote=userEntry.Document
        Call userNote.Removeitem("LicenseProtocol")
        Call userNote.Removeitem("LicenseTimestamp")
        Call userNote.Removeitem("LicenseTimestampHTTP")
        Call userNote.Removeitem("LicenseTimestampLDAP")
        Call userNote.Removeitem("LicenseTimestampNotes")
        Set item=licNote.Getfirstitem("Server")
        Set copyitem=item.Copyitemtodocument(userNote, "LicenseServer")
        Set item=licNote.Getfirstitem("Protocol")
        Set copyitem=item.Copyitemtodocument(userNote, "LicenseProtocol")
        Set item=licNote.Getfirstitem("Timestamp")
        Set copyitem=item.Copyitemtodocument(userNote, "LicenseTimestamp")
        If licNote.Hasitem("TimestampHTTP") Then
            Set item=licNote.Getfirstitem("TimestampHTTP")
            Set copyitem=item.Copyitemtodocument(userNote, "LicenseTimestampHTTP")
            userNote.userType="CAL"
        End If
        If licNote.Hasitem("TimestampLDAP") Then
            Set item=licNote.Getfirstitem("TimestampLDAP")
            Set copyitem=item.Copyitemtodocument(userNote, "LicenseTimestampLDAP")
            userNote.UserType="LDAP"
        End If
        If licNote.Hasitem("TimestampNotes") Then
            Set item=licNote.Getfirstitem("TimestampNotes")
            Set copyitem=item.Copyitemtodocument(userNote, "LicenseTimestampNotes")
            userNote.UserType="Client"
        End If
        If userNote.HasItem("NABNOTECERTEXPIRY") Then userNote.UserType="Client"
        Call userNote.Save(t,t,t)
    End While
End While

```

```

        noteCount=noteCount+1
    End If
    Set userEntry=userNav.Getnext(userEntry)
Wend
SetAdminValue "LicenseTrackingDocCount",noteCount
LogStep norm,CStr(Now)+tb+"GetLicenseTrackingInfo" - finished|
GetLicenseTrackingInfo=t
errHandle:
    If Err<>0 Then
        errString=Error
        errNum=Err
        errLine=Erl
        ReportError "There was an Error during the (GetLicenseTrackingInfo) function. The details of the Error are below:"
    End If
    Exit Function
End Function
Function CheckNABDesign(currentNAB As NotesDatabase) As Boolean
    Dim forms(3) As String
    Dim subforms(3) As String
    Dim views(3) As String
    Dim searchForm As NotesForm
    Dim searchView As NotesView
    Dim c As Integer
    forms(0)="Person"
    forms(1)="Group"
    forms(2)="Server"
    forms(3)="WebSite"
    subforms(0)="$ServerTasks"
    subforms(1)="$InternetSite"
    subforms(2)="$IMAP"
    subforms(3)="$PersonGeneralInfo"
    views(0)="People"
    views(1)="Groups"
    views(2)="Servers"
    views(3)="Policies"
    For c=0 To UBound(forms)
        Set searchForm=currentNAB.Getform(forms(c))
        If searchForm Is Nothing Then Exit Function
    Next
    For c=0 To UBound(subforms)
        Set searchForm=currentNAB.Getform(subforms(c))
    Next

```

```

        If searchForm Is Nothing Then Exit Function
    Next
    For c=0 To UBound(views)
        Set searchView=currentNAB.Getview(views(c))
        If searchView Is Nothing Then Exit Function
    Next
    CheckNABDesign=t
End Function
Sub GetAllGroupNames(groupView As NotesView,daGroupView As NotesView)
    Dim nabNote As NotesDocument
    Dim x As Integer
    Dim arrayCount As Integer
    Dim loadArray As Variant
    Const top=25000
    Dim loadStep As Integer
    Dim arrayNum As Integer
    ReDim allGroupNames1(0)
    ReDim allGroupNames2(0)
    ReDim allGroupNames3(0)
    ReDim allGroupNames4(0)
    ReDim allGroupNames5(0)
    ReDim allGroupNames6(0)
    ReDim allGroupNames7(0)
    ReDim allGroupNames8(0)
    ReDim allGroupNames9(0)
    ReDim allGroupNames10(0)
    ReDim allGroupNames11(0)
    ReDim allGroupNames12(0)
    ReDim allGroupNames13(0)
    ReDim allGroupNames14(0)
    ReDim allGroupNames15(0)
    ReDim allGroupNames16(0)
    ReDim allGroupNames17(0)
    ReDim allGroupNames18(0)
    ReDim allGroupNames19(0)
    ReDim allGroupNames20(0)
    ReDim allGroupNames21(0)
    ReDim allGroupNames22(0)
    ReDim allGroupNames23(0)
    ReDim allGroupNames24(0)
    ReDim allGroupNames25(0)

```



```
ReDim allGroupNames26(0)
ReDim allGroupNames27(0)
ReDim allGroupNames28(0)
ReDim allGroupNames29(0)
ReDim allGroupNames30(0)
ReDim allGroupNames31(0)
ReDim allGroupNames32(0)
ReDim allGroupNames33(0)
ReDim allGroupNames34(0)
ReDim allGroupNames35(0)
ReDim allGroupNames36(0)
ReDim allGroupNames37(0)
ReDim allGroupNames38(0)
ReDim allGroupNames39(0)
ReDim allGroupNames40(0)
allGroupNames1(0)=""
allGroupNames2(0)=""
allGroupNames3(0)=""
allGroupNames4(0)=""
allGroupNames5(0)=""
allGroupNames6(0)=""
allGroupNames7(0)=""
allGroupNames8(0)=""
allGroupNames9(0)=""
allGroupNames10(0)=""
allGroupNames11(0)=""
allGroupNames12(0)=""
allGroupNames13(0)=""
allGroupNames14(0)=""
allGroupNames15(0)=""
allGroupNames16(0)=""
allGroupNames17(0)=""
allGroupNames18(0)=""
allGroupNames19(0)=""
allGroupNames20(0)=""
allGroupNames21(0)=""
allGroupNames22(0)=""
allGroupNames23(0)=""
allGroupNames24(0)=""
allGroupNames25(0)=""
allGroupNames26(0)=""
```

```

allGroupNames27(0)=""
allGroupNames28(0)=""
allGroupNames29(0)=""
allGroupNames30(0)=""
allGroupNames31(0)=""
allGroupNames32(0)=""
allGroupNames33(0)=""
allGroupNames34(0)=""
allGroupNames35(0)=""
allGroupNames36(0)=""
allGroupNames37(0)=""
allGroupNames38(0)=""
allGroupNames39(0)=""
allGroupNames40(0)=""
ReDim loadArray(0)
' load all available Group Names into an array for use later in this function
Set nabNote=groupView.Getfirstdocument()
step1:
While Not nabNote Is Nothing
    ReDim Preserve loadArray(x)
    loadArray(x)=LCase(nabNote.ListName(0))
    x=x+1
    Set nabNote=groupView.Getnextdocument(nabNote)
    If x=top Then
        loadStep=1
        GoTo loadGroupArray
    End If
Wend
Set nabNote=daGroupView.Getfirstdocument()
step2:
While Not nabNote Is Nothing
    ReDim Preserve loadArray(x)
    loadArray(x)=LCase(nabNote.ListName(0))
    x=x+1
    Set nabNote=daGroupView.Getnextdocument(nabNote)
    If x=top Then
        loadStep=2
        GoTo loadGroupArray
    End If
Wend
loadStep=3

```

loadGroupArray:

x=0

arrayNum=arrayNum+1

Select Case arrayNum

Case 1: allGroupNames1=loadArray

Case 2: allGroupNames2=loadArray

Case 3: allGroupNames3=loadArray

Case 4: allGroupNames4=loadArray

Case 5: allGroupNames5=loadArray

Case 6: allGroupNames6=loadArray

Case 7: allGroupNames7=loadArray

Case 8: allGroupNames8=loadArray

Case 9: allGroupNames9=loadArray

Case 10: allGroupNames10=loadArray

Case 11: allGroupNames11=loadArray

Case 12: allGroupNames12=loadArray

Case 13: allGroupNames13=loadArray

Case 14: allGroupNames14=loadArray

Case 15: allGroupNames15=loadArray

Case 16: allGroupNames16=loadArray

Case 17: allGroupNames17=loadArray

Case 18: allGroupNames18=loadArray

Case 19: allGroupNames19=loadArray

Case 20: allGroupNames20=loadArray

Case 21: allGroupNames21=loadArray

Case 22: allGroupNames22=loadArray

Case 23: allGroupNames23=loadArray

Case 24: allGroupNames24=loadArray

Case 25: allGroupNames25=loadArray

Case 26: allGroupNames26=loadArray

Case 27: allGroupNames27=loadArray

Case 28: allGroupNames28=loadArray

Case 29: allGroupNames29=loadArray

Case 30: allGroupNames30=loadArray

Case 31: allGroupNames31=loadArray

Case 32: allGroupNames32=loadArray

Case 33: allGroupNames33=loadArray

Case 34: allGroupNames34=loadArray

Case 35: allGroupNames35=loadArray

Case 36: allGroupNames36=loadArray

Case 37: allGroupNames37=loadArray

```

        Case 38: allGroupNames38=loadArray
        Case 39: allGroupNames39=loadArray
        Case 30: allGroupNames40=loadArray
    End Select
    If loadStep=1 Then GoTo step1
    If loadStep=2 Then GoTo step2
    Exit Sub
End Sub
Function IsGroup(memberValue As String,foundGroups() As String) As Boolean
    Dim c As Integer
    If IsNumeric(ArrayGetIndex(allGroupNames1,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames2,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames3,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames4,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames5,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames6,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames7,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames8,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames9,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames10,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames11,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames12,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames13,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames14,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames15,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames16,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames17,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames18,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames19,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames20,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames21,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames22,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames23,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames24,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames25,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames26,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames27,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames28,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames29,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames30,memberValue)) Then IsGroup=t
    If IsNumeric(ArrayGetIndex(allGroupNames31,memberValue)) Then IsGroup=t

```

```

If IsNumeric(ArrayGetIndex(allGroupNames32,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames33,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames34,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames35,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames36,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames37,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames38,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames39,memberValue)) Then IsGroup=t
If IsNumeric(ArrayGetIndex(allGroupNames40,memberValue)) Then IsGroup=t
If IsGroup Then
    c=UBound(foundGroups)
    If foundGroups(c)<>"" Then c=c+1
    ReDim Preserve foundGroups(c)
    foundGroups(c)=memberValue
End If
End Function
Function ProcessDenyAccessNames() As Boolean
    If Not debug Then On Error GoTo errHandle
    LogStep norm,CStr(Now)+tb+|"ProcessDenyAccessNames" - begin|
    Dim daView As NotesView
    Dim daNote As NotesDocument
    Dim serverList As Variant
    Dim serverGroupList() As String
    Dim serverName As String
    Dim splitVar As Variant
    Dim groupVar As Variant
    Dim openSystemCheck As Boolean
    Dim x As Integer, y As Integer, z As Integer
    ReDim serverGroupList(0)
    serverList=GetAdminValue("ServerList") ' load the list of values from the list of Servers and their respective Deny Access Group(s)
    If serverList(0)="" Then GoTo exitThis
    Set daView=db.Getview("dagroups")
    Call daView.Refresh()
    daView.Autoupdate=f
    For x=0 To UBound(serverList)
        splitVar=Split(serverList(x),"|")
        If UBound(splitVar)>2 Then
            serverName=LCase(splitVar(0))
            If splitVar(1)="Available" Then
                If splitVar(2)="" Then
                    openSystemCheck=t
                ' one of the servers does not use Deny Access values - clear all DAUser v
            End If
        End If
    Next x
    ExitFunction:
    ErrHandle:
    If Err.Number>0 Then
        LogStep err,CStr(Now)+tb+|"ProcessDenyAccessNames" - error|
        Err.Clear
    End If
End Function

```

```

        Elself splitVar(3)="" Or splitVar(4)="" Then ' one of the servers does not have secure HTP/LDAP ports, which means they are open to e
            openSystemCheck=t
        Else
            ReDim Preserve serverGroupList(z)
            serverGroupList(z)=serverName
            z=z+1
        End If
    End If
End If
Next
SetAdminValue "AvalableServerCount",UBound(serverGroupList)
'sort the array so that we are comparing similar arrays
RemoveDuplicates serverGroupList
' if this is an "Open System" (i.e. at least one server either does not use Deny Access Groups or does not have secured HTTP/LDAP ports, then star
If openSystemCheck Then GoTo openSystem
' now cycle through each user in the "users" view to get a @DBLookup return result form the "Members" view and compare it against the array alrea
Dim userName As NotesName
Dim userNote As NotesDocument
Dim userView As NotesView
Dim userNav As NotesViewNavigator
Dim userEntry As NotesViewEntry
Dim lookupView As NotesView
Dim lookupList As Variant
Dim lookupListNormalized As Variant
Dim formula As String
Dim daUser As Boolean
Dim canAccess() As String
Dim cantAccess() As String
Dim item As NotesItem
Set userView=db.Getview("users")
Call userView.Refresh()
userView.Autoupdate=f
Set lookupView=db.Getview("members")
Call lookupView.Refresh()
lookupView.Autoupdate=f
Set userNav=userView.Createviewnav()
Set userEntry=userNav.Getfirst()
While Not userEntry Is Nothing
    ReDim canAccess(0)
    ReDim cantAccess(0)
    daUser=t

```

```

Set userName=New NotesName(userEntry.Columnvalues(0))
formula=|list:=@DbLookup("":"NoCache";@DbName;"members";|+LCase(userName.Abbreviated)+|";2);@If(@IsError(list);"";list)|
lookupList=Evaluate(formula)
Set userNote=userEntry.Document
If lookupList(0)="" Then
    ' user was not found in any DA Groups. Make sure that they are not already listed as a DA User though
    If userEntry.Columnvalues(1)="Yes" Then userNote.DAUser=""
    userNote.ServersNoAccess=""
    userNote.ServersNoAccessCount=0
    Call userNote.Removeitem("ServersAccessible")
    Call userNote.Replaceitemvalue("ServersAccessible",serverGroupList)
    userNote.ServersAccessibleCount=UBound(serverGroupList)+1
    Call userNote.Removeitem("ServersAvailable")
    Call userNote.Replaceitemvalue("ServersAvailable",serverGroupList)
    userNote.ServersAvailableCount=UBound(serverGroupList)+1
    Call userNote.Save(t,t,t)
Else
    RemoveDuplicates lookupList
    y=0
    z=0
    daUser=t
    For x=0 To UBound(serverGroupList)
        If IsNumeric(ArrayGetIndex(lookupList,serverGroupList(x))) Then
            ReDim Preserve cantAccess(y)
            cantAccess(y)=serverGroupList(x)
            y=y+1
        Else
            ReDim Preserve canAccess(z)
            canAccess(z)=serverGroupList(x)
            z=z+1
            daUser=f
        End If
    Next
    Set userNote=userEntry.Document
    If Not dauser Then ' user was not found in any DA Groups. Make sure that they are not already listed as a DA User though
        userNote.DAUser=""
    Else
        userNote.DAUser="Yes"
    End If
    Call userNote.Removeitem("ServersNoAccess")
    Call userNote.Replaceitemvalue("ServersNoAccess",cantAccess)

```

```

        If cantAccess(0)<>"" Then userNote.ServersNoAccessCount=UBound(cantAccess)+1 Else userNote.ServersNoAccessCount=0
        Call userNote.Removeitem("ServersAccessible")
        Call userNote.Replaceitemvalue("ServersAccessible",canAccess)
        If canAccess(0)<>"" Then userNote.ServersAccessibleCount=UBound(canAccess)+1 Else userNote.ServersAccessibleCount=0
        Call userNote.Removeitem("ServersAvailable")
        Call userNote.Replaceitemvalue("ServersAvailable",serverGroupList)
        userNote.ServersAvailableCount=UBound(serverGroupList)+1
        If UBound(serverGroupList)=UBound(cantAccess) Then
            userNote.PartialDAUser=""
            userNote.DAUser="true"
        ElseIf UBound(serverGroupList)<>UBound(canAccess) Then
            userNote.PartialDAUser="true"
        Else
            userNote.PartialDAUser=""
        End If
        Call userNote.Save(t,t,t)
    End If
    Set userEntry=userNav.Getnext(userEntry)
Wend
' get the count of Deny Access users
Set userView=db.Getview("dauser")
Call userView.Refresh()
userView.Autoupdate=f
Set userNav=userView.Createviewnav()
SetAdminValue "DAUserCount",userNav.Count
' get the count of Authorized Users
Set userView=db.Getview("valid")
Call userView.Refresh()
userView.Autoupdate=f
Set userNav=userView.Createviewnav()
SetAdminValue "ValidUserCount",userNav.Count
' get the count of Mail Users
Set userView=db.Getview("mailuser")
Call userView.Refresh()
userView.Autoupdate=f
Set userNav=userView.Createviewnav()
SetAdminValue "MailUserCount",userNav.Count
exitThis:
    LogStep norm,CStr(Now)+tb+|"ProcessDenyAccessNames" - finished|
    ProcessDenyAccessNames=t
errHandle:

```



```

If Err<>0 Then
    errString=Error
    errNum=Err
    errLine=Err
    ReportError "There was an Error during the (ProcessDenyAccessNames) function. The details of the Error are below:"
End If
Exit Function
openSystem:
    ' there is one or more domino servers that either do not have a DA Group on the server doc or the DA Group(s) do not exist. In these scenarios the o
    Dim userDC As NotesDocumentCollection
    Set userView=db.Getview("invalid")
    Call userView.Refresh()
    userView.Autoupdate=f
    Set userDC=userView.Getalldocumentsbykey("all")
    If userDC.Count<>0 Then Call userDC.Stampall("DAUser","")
    ' set the count of Deny Access users to zero
    SetAdminValue "DAUserCount",0
    ' get the count of Mail Users
    Set userView=db.Getview("mailuser")
    Call userView.Refresh()
    userView.Autoupdate=f
    Set userNav=userView.Createviewnav()
    SetAdminValue "MailUserCount",userNav.Count
    ' get the count of Authorized Users
    Set userView=db.Getview("valid")
    Call userView.Refresh()
    userView.Autoupdate=f
    Set userDC=userView.Getalldocumentsbykey("1")
    If userDC.Count<>0 Then
        Call userDC.Stampall("ServersAccessible",serverGroupList)
        Call userDC.Stampall("ServersAvailable",serverGroupList)
    End If
    Set userNav=userView.Createviewnav()
    SetAdminValue "ValidUserCount",userNav.Count
    LogStep norm,CStr(Now)+tb+"ProcessDenyAccessNames" - finished|
    ProcessDenyAccessNames=t
    Exit Function
End Function
Sub SelectNAB(adminServer As String)
    Dim svr As NotesName
    Dim newList As Variant

```

```

Dim newValue As String
Dim dbFile As Variant
Dim sourceInfo(1) As String
Dim selectedDB As NotesDatabase
Dim x As Integer
MsgBox "Your HCL Domino Administration server could not be automatically located. You will now be asked to select your HCL Domino Administration server."
selectNAB:
If ws Is Nothing Then Set ws=New NotesUIWorkspace
newList=ws.Prompt(13,"Select HCL Domino Directory","Select the HCL Domino Directory on your HCL Domino Administration server")
If IsEmpty(newList) Then Exit Sub
If UBound(newList)>0 Then ' let's see if they selected multiple dbs
    If UBound(newList)<>2 Then GoTo tryAgain
    If InStr(1,newList(1),"~")<>0 Then GoTo tryAgain
    If InStr(1,newList(1),".nsf" "|,5)<>0 Then GoTo tryAgain
End If
If UBound(newList)=2 Then ' array - extract proper values
    Set svr=New NotesName(newList(0))
    If svr.Common="" Then
        MsgBox "You selected a local HCL Domino directory. Please select the HCL Domino Directory on your HCL Domino Administration server."
        GoTo selectNAB
    End If
    sourceInfo(0)=svr.Abbreviated
    sourceInfo(1)=newList(1)
Else ' single value, split it up
    newValue=StrToken(newList(0),"|",2)
    Set svr=New NotesName(StrToken(newValue,"~",1))
    If svr.Common="" Then
        MsgBox "You selected a local HCL Domino directory. Please select the HCL Domino Directory on your HCL Domino Administration server."
        GoTo selectNAB
    End If
    sourceInfo(0)=svr.Abbreviated
    sourceInfo(1)=StrToken(newValue,"~",2)
End If
If InStr(1,sourceInfo(1),"\" )<>0 Then
    dbFile=Split(Left(sourceInfo(1),Len(sourceInfo(1))-4),"\")
    dbFile=dbFile(UBound(dbFile))
Else
    dbFile=Left(sourceInfo(1),Len(sourceInfo(1))-4)
End If
If sourceInfo(0)="Local Workstation" Then Set selectedDB=session.GetDatabase("",sourceInfo(1)) Else Set selectedDB=session.GetDatabase(sourceInfo(0),sourceInfo(1))
If Not selectedDB.IsOpen Then Call selectedDB.Open("", "")

```

```

If Not selectedDB.IsOpen Then MsgBox "The HCL Domino Directory you selected is not accessible. Please try again." : Exit Sub
Dim checkForm As NotesForm
Dim checkView As NotesView
Set checkForm=selectedDB.Getform("Person")
If checkForm Is Nothing Then GoTo notValid
Set checkForm=selectedDB.Getform("Server")
If checkForm Is Nothing Then GoTo notValid
Set checkView=selectedDB.Getview("($VIMGroups)")
If checkView Is Nothing Then GoTo notValid
Set checkView=selectedDB.Getview("($VIMPeople)")
If checkView Is Nothing Then GoTo notValid
Set checkView=selectedDB.Getview("($Servers)")
If checkView Is Nothing Then GoTo notValid
adminServer=svr.Abbreviated
SetAdminValue "AdminServer",svr.Abbreviated
nabFilename=sourceInfo(1)
Exit Sub
notValid:
If MsgBox("The HCL Notes application that you chose is not a valid HCL Domino Directory,"+cr+cr+"Do you want to select a different HCL Domino I
Exit Sub
tryagain:
MsgBox "Only one HCL Domino Directory can be selected. Please try again."
GoTo selectNAB
End Sub
Function GetPersonDocuments(processNAB As NotesDatabase) As Boolean
If Not debug Then On Error GoTo errHandle
LogStep norm,CStr(Now)+tb+"GetPersonDocuments" - begin|
LogStep norm,CStr(Now)+tb+"Scanning Person documents in the Domino directory -"|+processNAB.Title+"|"+processNAB.Server+"||"+processNAB
Dim nabNote As NotesDocument
Dim nabView As NotesView
Dim userNote As NotesDocument
Dim userView As NotesView
Dim viewNAV As NotesViewNavigator
Dim externalNABName As String
Dim externalNAB As Boolean
Dim externalORGs As Variant
ReDim externalORGs(0)
externalORGs(0)=""
Dim tmpVal As Variant
Dim splitVar As Variant
Dim x As Integer

```

```

Dim count As Long
Dim navCount As Long
Dim logTXT As String
Dim key As String
Dim update As Boolean
Dim certExpiryDate As NotesDateTime
Dim nowDate As New NotesDateTime(Now)
Dim certAvail As Boolean
Dim pwAvail As Boolean
Dim serverList As Variant
Dim httpSecure As String
Dim ldapSecure As String
httpSecure=GetAdminValue("HTTPSecure")(0)
ldapSecure=GetAdminValue("LDAPSecure")(0)
' if an external directory was chosen to identify CCX users, check to see if the current directory is the one that was chosen
If GetAdminValue("DAListExternal")(0)<>"" Then
    tmpVal=GetAdminValue("DAListExternal")
    tmpVal=Split(tmpVal(0),"!!")
    externalNABName=Left(tmpVal(1),Len(tmpVal(1))-1)
    If LCase(processNAB.Filename)=externalNABName Then externalNAB=t
End If
' if ORG values were chosen to identify CCX users, get the list of ORGs selected
If GetAdminValue("OrgsExternal")(0)<>"" Then externalORGs=GetAdminValue("OrgsExternal")
Set nabView=processNAB.Getview("($VIMPeople)")
Call nabView.Refresh()
nabView.Autoupdate=f
Set viewNAV=nabView.Createviewnav()
navCount=viewNAV.Count
LogStep norm,CStr(Now)+tb+|# of Person documents in Domino Directory = |+CStr(navCount)
Set userView=db.Getview("users")
Call userView.Refresh()
userView.Autoupdate=f
Set nabNote=nabView.Getfirstdocument()
While Not nabNote Is Nothing
    certAvail=f
    pwAvail=f
    If nabNote.isvalid And Not nabNote.HasItem("$REF") Then
        update=f
        key=LCase(nabNote.FullName(0))
        Set userNote=userView.Getdocumentbykey(key,t)
        If userNote Is Nothing Then

```

```

        Set userNote=db.Createdocument()
        userNote.Form="User"
        update=t
    End If
    If Not update Then If userNote.NABNoteUpdated(0)<>nabNote.Lastmodified Then update=t
    If nabNote.HasItem("Certificate") Then If nabNote.Certificate(0)<>"" Then certAvail=t
    If nabNote.HasItem("HTTPPassword") Then If nabNote.HTTPPassword(0)<>"" Then pwAvail=t
    If Not certAvail And Not pwAvail Then userNote.UserType="Unknown / Unlicensed"
    If Not userNote.hasitem("UserType") Then
        If nabNote.HasItem("Certificate") Then
            If nabNote.Certificate(0)<>"" Then
                userNote.UserType="Client"
                tmpVal=Evaluate(|@Date(@Certificate([Expiration];Certificate))|,nabNote)
                If IsArray(tmpVal) Then
                    Set certExpiryDate=New NotesDateTime(tmpVal(0))
                    userNote.NABNoteCertExpiry=certExpiryDate.Lslocaltime
                    If certExpiryDate.Timedifference(nowDate)<0 Then
                        userNote.CertificateExpired="true"
                        update=t
                    Else
                        If userNote.HasItem("CertificateExpired") Then
                            Call userNote.Removeitem("CertificateExpired")
                            update=t
                        End If
                    End If
                End If
            End If
        End If
    End If
    If Not userNote.hasitem("UserType") And nabNote.HasItem("HTTPPassword") Then
        If userNote.HTTPPassword(0)<>"" Then
            userNote.UserType="CAL"
            update=t
        End If
    End If
    If Not userNote.HasItem("UserType") Then
        ' the Person document does not have a Notes Certificate or an Internet Password. this is most likely a Person doc for mail forwarding or
        userNote.UserType="Unknown / Unlicensed"
        update=t
    End If
    If update Then

```

```

userNote.NABNoteUpdated=nabNote.Lastmodified
userNote.NABNoteUNID=nabNote.Universalid
userNote.NABServer=processNAB.Server
userNote.NABPath=processNAB.Filepath
userNote.NABName=processNAB.Title
If nabNote.MailSystem(0)="1" Then
    userNote.MailUser="true"
    userNote.NABNoteMailServer=nabNote.MailServer(0)
    userNote.NABNoteMailFile=nabNote.MailFile(0)
Else
    Call userNote.Removeitem("MailUser")
    Call userNote.Removeitem("MailServer")
    Call userNote.Removeitem("MailFile")
End If
userNote.FullName=nabNote.FullName(0)
userNote.InternetAddress=nabNote.InternetAddress(0)
If nabNote.HTTPPassword(0)<>"" Then userNote.HTTPPasswordSet="true" Else userNote.HTTPPasswordSet="false"
userNote.HTTPSecure=httpSecure
userNote.LDAPSecure=ldapSecure
If externalNAB Then userNote.ExternalNAB="true"
If externalORGs(0)<>"" Then
    For x=0 To UBound(externalORGs)
        If InStr(1,userNote.FullName(0),externalORGs(x),5)<>0 Then userNote.ExternalORG="true":Exit For
    Next
End If
If deepLog Then
    count=count+1
    logTXT=CStr(count)+" of "+CStr(navCount)+" - Person = "+userNote.FullName(0)+" (" +userNote.InternetAddress(0)+")"
    LogStep norm,CStr(Now)+tb+logTXT
End If
Call userNote.Save(t,t,t)
End If
Set nabNote=nabView.Getnextdocument(nabNote)
Wend
LogStep norm,CStr(Now)+tb+"|GetPersonDocuments" - finished|
GetPersonDocuments=t
errHandle:
If Err<>0 Then
    errString=Error
    errNum=Err

```

```
        errLine=Erl  
        ReportError "There was an Error during the (GetPersonDocuments) function. The details of the Error are below:"  
    End If  
    Exit Function  
End Function
```

Name:

Last Modification:

LotusScript Code:

```
Option Public
Option Declare
Dim ws As NotesUIWorkspace
Dim ui As NotesUIDocument
Dim note As NotesDocument
Dim session As NotesSession
Dim db As NotesDatabase
Dim view As NotesView
Dim admin As NotesDocument
Dim currentUser As NotesName
Dim mainO As String
Dim cr As String
Dim tb As String
Const t=True
Const f=False
Dim errString As String
Dim errLine As Integer
Dim errNum As Integer
Dim errCritical As Boolean
Const debug=f
Const deepLog=f
'Dim debug As Boolean
'Dim deepLog As Boolean
Const info=1
Const sec=2
Const warn=3
Const norm=0
Sub Initialize
%rem
'  Dim openSession As New NotesSession
'  Dim enviro As String
'  Set session=New NotesSession
'  enviro=session.Getenvironmentstring("DLAU_Debug",True)
'  If enviro<>"" Then debug=t
'  enviro=session.Getenvironmentstring("DLAU_Logging",True)
```

slUtilities

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```

    If enviro<>"" Then deepLog=t
    Set openSession=Nothing
%end rem
End Sub
Function GetAdminValue(fldName As String) As Variant
    Dim empty(0) As String
    If admin Is Nothing Then
        Set view=db.Getview("config")
        Set admin=view.Getdocumentbykey("config",t)
        If admin Is Nothing Then
            Set admin=db.Createdocument()
            admin.Form="config"
            Call admin.Save(t,t,t)
        End If
    End If
    GetAdminValue=empty
    If admin.Hasitem(fldName) Then GetAdminValue=admin.Getfirstitem(fldName).Values
End Function
Sub SetAdminValue (fldName As String,value As Variant)
    Dim item As NotesItem
    Dim summaryFields(8) As String
    summaryFields(0)="adminserver"
    summaryFields(1)="observationswarning"
    summaryFields(2)="observationssecurity"
    summaryFields(3)="observationsinformation"
    summaryFields(4)="validusercount"
    summaryFields(5)="persondoccount"
    summaryFields(6)="groupdoccount"
    summaryFields(7)="dausercount"
    summaryFields(8)="form"
    If admin Is Nothing Then
        Set view=db.Getview("config")
        Set admin=view.Getdocumentbykey("config",t)
        If admin Is Nothing Then
            Set admin=db.Createdocument()
            admin.Form="config"
        End If
    End If
    Call admin.Removeitem(fldName)
    Call admin.Replaceitemvalue(fldName,value)
    If Not IsNumeric(ArrayGetIndex(summaryFields,LCASE(fldName))) Then

```

```

        Set item=admin.Getfirstitem(fldName)
        item.lssummary=f
    End If
    Call admin.Save(t,t,t)
End Sub
Sub LogStep (color As Integer,logValue As String)
    Dim rtltem As NotesRichTextItem
    Dim rtStyle As NotesRichTextStyle
    If session.Is Nothing Then QO
    If admin.Is Nothing Then
        Set view=db.Getview("config")
        Set admin=view.Getdocumentbykey("config",t)
        If admin.Is Nothing Then
            Set admin=db.Createdocument()
            admin.Form="config"
            Set rtltem=New NotesRichTextItem(admin,"Debug")
        Else
            If admin.hasitem("Debug") Then
                Set rtltem=admin.GetFirstItem("Debug")
            Else
                Set rtltem=New NotesRichTextItem(admin,"Debug")
            End If
        End If
    Else
        If admin.hasitem("Debug") Then
            Set rtltem=admin.GetFirstItem("Debug")
        Else
            Set rtltem=New NotesRichTextItem(admin,"Debug")
        End If
    End If
    Set rtStyle=session.CreateRichTextStyle
    If color=warn Then
        rtltem.Bold=t
        rtltem.NotesColor=COLOR_MAGENTA
    ElseIf color=info Then
        rtltem.Bold=f
        rtltem.NotesColor=COLOR_BLUE
    ElseIf color=sec Then
        rtltem.Bold=t
        rtltem.NotesColor=COLOR_RED
    Else

```

```

        rtStyle.Bold=f
        rtStyle.NotesColor=COLOR_BLACK
    End If
    Call rtltem.AppendStyle(rtStyle)
    Call rtltem.appendtext(logValue)
    Call ritem.addnewline(1,t)
    Call admin.Save(t,t,t)
End Sub
Sub AppendAdminValue (fldName As String, value As Variant)
    Dim adminVar As Variant
    Dim upper As Integer
    adminVar=GetAdminValue(fldName)
    If adminVar(0)="" Then
        Call admin.Removeitem(fldName)
        Call admin.Replaceitemvalue(fldName,value)
    Else
        upper=UBound(adminVar)+1
        ReDim Preserve adminVar(upper)
        adminVar(upper)=value
        Call admin.Removeitem(fldName)
        Call admin.Replaceitemvalue(fldName,adminVar)
    End If
    Call admin.Save(t,t,t)
End Sub
Function DifferenceBetweenTwoArrays (array1 As Variant, array2 As Variant) As Variant
    Dim c&, foundValue As Variant
    Dim differenceArray() As String
    ReDim differenceArray(0)
    c& = 0
    ReDim differenceArray(0)
    ForAll arr1 In array1
        foundValue = False
        ForAll arr2 In array2
            If LCase(arr2) = LCase(arr1) Then
                foundValue = True
            End If
        End ForAll
    End ForAll
    If foundValue = False Then
        ReDim Preserve differenceArray(c&)
        differenceArray(c&) = arr1
        c& = c& + 1
    End If
End Function

```

```

        End If
    End ForAll
    DifferenceBetweenTwoArrays=differenceArray
End Function
Sub RemoveDuplicates (values As Variant)
    Call SortArray (values)
    Dim finalvalues () As String
    ReDim finalvalues (0)
    If UBound (values) = 0 Then Exit Sub
    Dim x As Long
    While x < UBound (values)
        Do While (values (x) = values (x + 1)) Or (values (x) = "")
            'value at x+1 is the same as value at x, skip it (don't add it final array thereby removing the duplicate)
            x = x + 1
            If x = UBound (values) Then Exit Do
        Loop
        If values (x) <> "" Then
            If UBound (finalvalues) = 0 And finalvalues (0) = "" Then
                ' first element
                finalvalues (0) = values (x)
            Else
                ReDim Preserve finalvalues (UBound (finalvalues) + 1)
                finalvalues (UBound (finalvalues)) = values (x)
            End If
        End If
        x = x + 1
    Wend
    ' last element, add if different from last element in finalvalues, skip otherwise (duplicate)
    If values (UBound (values)) <> finalvalues (UBound (finalvalues)) Then
        ReDim Preserve finalvalues (UBound (finalvalues) + 1)
        finalvalues (UBound (finalvalues)) = values (UBound (values))
    End If
    ' repopulate input parameter values with finalvalues
    ReDim values (UBound (finalvalues)) As String
    Dim count As Long
    ForAll a In finalvalues
        values (count) = a
        count = count + 1
    End ForAll
End Sub
Function GetProfileValue(profileName As String, perName As String, fldName As String) As Variant

```

```

Dim profile As NotesDocument
If perName="" Then
    Set profile=db.Getprofiledocument(profileName)
Else
    Set profile=db.Getprofiledocument(profileName,perName)
End If
If profile.Hasitem(fldName) Then
    GetProfileValue=profile.Getfirstitem(fldName).Values
Else
    Dim empty(0) As String
    GetProfileValue=empty
End If
End Function
Sub SortArray (A As Variant)
    Dim gap As Integer
    Dim low As Integer
    Dim high As Integer
    Dim i As Integer
    Dim makeswap As Variant
    Dim PushPop As Variant
    low = LBound (A)
    high = UBound (A)
    gap = Int (high / 2)
    While gap >= 1
        Do
            makeswap = False
            For i = low To (high - gap)
                If LCase ( A (i) ) > LCase ( A ( i + gap ) ) Then
                    PushPop = A (i)
                    A (i) = A (i + gap)
                    A (i + gap) = PushPop
                    makeswap = True
                End If
            Next i
            Loop Until Not makeswap
            gap = Int (gap / 2)
        Wend
    End Sub
Sub SetProfileValue(profileName As String, perName As String, fldName As String, value As Variant)
    Dim profile As NotesDocument
    If perName="" Then

```

```

        Set profile=db.Getprofiledocument(profileName)
    Else
        Set profile=db.Getprofiledocument(profileName,perName)
    End If
    Call profile.Removeitem(fldName)
    Call profile.Replaceitemvalue(fldName,value)
    Call profile.Save(t,t,t)
End Sub
Sub Observation(observeNum As Integer,observeMessage As String, svrName As String)
    Dim currentValues As Variant
    Dim count As Integer
    Dim newValue As String
    Dim warn As Integer
    Dim security As Integer
    Dim info As Integer
    Dim adminVal As String
    Dim increaseCount As Boolean
    ReDim currentValues(0)
    newValue=observeMessage+"|"+CStr(observeNum)+"~"+observeMessage
    If svrName<>"" Then newValue=newValue+"~"+svrName
    currentValues=GetAdminValue("Observations")
    If currentValues(0)="" Then
        currentValues(0)=newValue
        increaseCount=t
    Else
        If Not IsNumeric(ArrayGetIndex(currentValues,newValue)) Then
            count=UBound(currentValues)+1
            ReDim Preserve currentValues(count)
            currentValues(count)=newValue
            increaseCount=t
        End If
    End If
    If increaseCount Then
        ' get the counts of each type of observation
        adminVal=GetAdminValue("ObservationsWarning")(0)
        If adminVal<>"" Then warn=CInt(adminVal)
        adminVal=GetAdminValue("ObservationsSecurity")(0)
        If adminVal<>"" Then security=CInt(adminVal)
        adminVal=GetAdminValue("ObservationsInformation")(0)
        If adminVal<>"" Then info=CInt(adminVal)
        Select Case observeNum

```

```

        Case 1001,1008                                : warn=warn+1
        Case 1002,1003,1005,1006,1009                : security=security+1
        Case 1004,1007                                : info=info+1
    End Select
    ' set the values onto the config document
    SetAdminValue "Observations",currentValues
    SetAdminValue "ObservationsWarning",warn
    SetAdminValue "ObservationsSecurity",security
    SetAdminValue "ObservationsInformation",info
End If
End Sub
Sub ReportError (errorMessage As String)
    If errString="" Then
        errString=Error
        errNum=Err
        errLine=Erl
    End If
    LogStep warn,errorMessage+cr+cr+"Error: "+errString+" (#: "+CStr(errNum)+" , line #: "+CStr(errLine)+")"
    MsgBox errorMessage+cr+cr+"Error: "+errString+cr+"#: "+CStr(errNum)+cr+cr+"line #: "+CStr(errLine)
    Print errorMessage+cr+cr+"Error: "+errString+cr+"#: "+CStr(errNum)+" , line #: "+CStr(errLine)
    SetAdminValue "Critical","true"
    errString=""
    errNum=0
    errLine=0
End Sub
Sub QO
    If Not debug Then On Error GoTo errHandle
    Set session=New NotesSession
    Set db=session.Currentdatabase
    Set currentUser=New NotesName(session.Username)
    mainO=currentUser.Organization
errHandle:
    If Err<>0 Then
        errString=Error
        errNum=Err
        errLine=Erl
        ReportError "There was an Error opening this HCL Notes application in the (QO) event. The details of the Error are below:"
    End If
    Exit Sub
End Sub
Sub PO

```

```
If Not debug Then On Error GoTo errHandle
Set ws=New NotesUIWorkspace
Set ui=ws.Currentdocument
Set note=ui.Document
errHandle:
If Err<>0 Then
    errString=Error
    errNum=Err
    errLine=Erl
    ReportError "There was an Error opening this HCL Notes application in the (PO) event. The details of the Error are below:"
End If
Exit Sub
End Sub
```


Agent Information

Name:

Alias:
Last Modification:
Comment:
Shared Agent:
Type:
State:
Trigger:
Acts On:

(MakeHistory)

MakeHistory
01/11/2023 02:55:17 PM
[Not Assigned]
Yes
LotusScript
Enabled
Manually From Actions Menu
None

LotusScript Code:

```
Option Public
Option Declare
Sub Initialize
    Const t=True
    Dim session As New NotesSession
    Dim db As NotesDatabase
    Dim view As NotesView
    Dim doc As NotesDocument
    Dim change As NotesDocument
    Dim dc As NotesDocumentCollection
    Set db=session.Currentdatabase
    Set view=db.Getview("config")
    Set doc=view.Getfirstdocument()
    If Not doc Is Nothing Then
        If Not doc.Hasitem("AllScansComplete") Then Exit Sub
        doc.Form="History"
        Call doc.Save(t,t,t)
    End If
    Set view=db.Getview("dagroups")
    Set doc=view.Getfirstdocument()
    While Not doc Is Nothing
        Set change=doc
        Set doc=view.Getnextdocument(doc)
        change.Form="GroupHistory"
        Call change.Save(t,t,t)
    End While
End Sub
```

```
Wend
Set dc=db.Search(|Form="User"|, Nothing,0)
If dc.Count<>0 Then
    Call dc.Stampall("Form", "OldUsers")
    Call dc.Removeall(t)
End If
End Sub
```

Name:

Alias:

Last Modification:

Comment:

Shared Agent:

Type:

State:

Trigger:

Acts On:

(PullInfoConfig)

PullInfoConfig

01/11/2023 02:55:14 PM

[Not Assigned]

Yes

LotusScript

Enabled

Manually From Actions Menu

None

LotusScript Code:

Option Public

Option Declare

Use "slCore"

Sub Initialize

QO

SetAdminValue "ConfigPullStatus","Running"

LogStep norm,CStr(Now)+tb+|In "(PullInfoConfig)" agent|

LogStep norm,CStr(Now)+tb+|Starting "GetAdminServerInfo" function|

GetAdminServerInfo

LogStep norm,CStr(Now)+tb+|Finished "GetAdminServerInfo" function|

LogStep norm,CStr(Now)+tb+|Starting "CheckServerSettings" function|

CheckServerSettings

LogStep norm,CStr(Now)+tb+|Finished "CheckServerSettings" function|

SetAdminValue "ConfigPullStatus","Complete"

LogStep norm,CStr(Now)+tb+|"(PullInfoConfig)" agent finished|

End Sub

Name:

Alias:

Last Modification:

Comment:

Shared Agent:

Type:

State:

Trigger:

Acts On:

(PullInfoDAGroups)

PullInfoDAGroups

01/11/2023 02:55:14 PM

[Not Assigned]

Yes

LotusScript

Enabled

Manually From Actions Menu

None

LotusScript Code:

Option Public

Option Declare

Use "slCore"

Sub Initialize

QO

LogStep norm,CStr(Now)+tb+|In "(PullInfoDAGroups)" agent|

Dim nabSvr As String

nabSvr=GetAdminValue("AdminServer")(0)

LogStep norm,CStr(Now)+tb+|Obtaining Domino Directory|

Set nab=session.Getdatabase(nabSvr,"names.nsf")

If Not nab.isopen Then Call nab.Open("", "")

If Not nab.Isopen Then

SetAdminValue "DADocSyncError","Could not scan the Deny Access Grooup documents - Domino Directory not accessible"

SetAdminValue "DADocSyncStatus","Complete"

LogStep warn,CStr(Now)+tb+"Could not scan the Deny Access Grooup documents - Domino Directory not accessible"

Exit Sub

End If

SetAdminValue "DADocSyncError", ""

LogStep norm,CStr(Now)+tb+|Obtaining Deny Access Groups|

SetAdminValue "DADocSyncStatus","Synching"

If Not GetDenyAccessGroups Then

SetAdminValue "DADocSyncError","Could not scan the Deny Access Group documents - error in synch routine"

SetAdminValue "DADocSyncStatus","Complete"

LogStep warn,CStr(Now)+tb+"Could not scan the Deny Access Group documents - error in synch routine"

Exit Sub

End If

SetAdminValue "DADocSyncdate",Today

SetAdminValue "DADocSyncStatus","Complete"

```
LogStep norm,CStr(Now)+tb+|"(PullInfoDAGroups)" agent finished|  
End Sub
```

Name:

Alias:

Last Modification:

Comment:

Shared Agent:

Type:

State:

Trigger:

Acts On:

(PullInfoEntitlement)

PullInfoEntitlement

01/11/2023 02:55:15 PM

[Not Assigned]

Yes

LotusScript

Enabled

Manually From Actions Menu

None

LotusScript Code:

Option Public

Option Declare

Use "slCore"

Sub Initialize

QO

LogStep norm,CStr(Now)+tb+|In "(PullInfoEntitlement)" agent|

Dim splitVar As Variant

Dim checkDB As NotesDatabase

Dim entArray As Variant

Dim daVal As String

Dim x As Integer

ReDim entArray(0)

entArray(0)=""

SetAdminValue "EntitlementSyncStatus","Starting"

LogStep norm,CStr(Now)+tb+|Retrieving Entitlement Information|

entArray=GetAdminValue("EntitlementTrackingServers")

daVal=GetAdminValue("UserReportLocation")(0)

If entArray(0)<>"" Then

LogStep norm,CStr(Now)+tb+|Scanning Entitlement system|

Set checkDB=session.Getdatabase(GetAdminValue("AdminServer")(0), "entitlements.nsf")

If Not checkDB.isopen Then Call checkDB.Open("", "")

If checkDB.isopen Then If Not ProcessEntitlements(checkDB,f) Then Exit Sub

ElseIf daVal<>"" Then

LogStep norm,CStr(Now)+tb+|Scanning User Report Results|

splitVar=Split(daVal, "|")

splitVar=Split(splitVar(1), "~")

If splitVar(0)="Local Workstation" Then Set checkDB=session.Getdatabase("",splitVar(1)) Else Set checkDB=session.Getdatabase(splitVar(0),s

If Not checkDB.isopen Then Call checkDB.Open("", "")

```
        If checkDB.isopen Then If Not ProcessEntitlements(checkDB,t) Then Exit Sub
    End If
    SetAdminValue "EntitlementSyncdate",Today
    SetAdminValue "EntitlementSyncStatus","Complete"
    LogStep norm,CStr(Now)+tb+"(PullInfoEntitlement)" agent finished|
End Sub
```

Name:

Alias:
Last Modification:
Comment:
Shared Agent:
Type:
State:
Trigger:
Acts On:

(PullInfoUser)

PullInfoUser
01/11/2023 02:55:14 PM
[Not Assigned]
Yes
LotusScript
Enabled
Manually From Actions Menu
None

LotusScript Code:

```
Option Public
Option Declare
Use "slCore"
Sub Initialize
    QO
    LogStep norm,CStr(Now)+tb+|In "(PullInfoUser)" agent|
    Dim tmpVal As Variant
    Dim splitVar As Variant
    Dim checkDB As NotesDatabase
    Dim x As Integer
    Dim userCount As Long
    SetAdminValue "NABPersonDocSyncStatus","Starting"
    LogStep norm,CStr(Now)+tb+|Obtaining Domino Directory|
    Dim nabSvr As String
    nabSvr=GetAdminValue("AdminServer")(0)
    Set nab=session.Getdatabase(nabSvr,"names.nsf")
    If Not nab.isopen Then Call nab.Open("", "")
    If Not nab.Isopen Then
        SetAdminValue "NABPersonDocSyncError","Could not scan the Person documents - Domino Directory not accessible"
    Exit Sub
    End If
    SetAdminValue "NABPersonDocSyncError",""
    LogStep norm,CStr(Now)+tb+|Obtaining Person document information|
    ' get Person documents from the main Admin Domino Directory
    SetAdminValue "NABPersonDocSyncStatus","Synching"
    If Not GetPersonDocuments(nab) Then
        SetAdminValue "NABPersonDocSyncError","Could not scan the Person documents - error in synch routine"
        SetAdminValue "NABPersonDocSyncStatus","Complete"
```



```

Exit Sub
End If
tmpVal=GetAdminValue("DAList")
If tmpVal(0)<>"" Then
    For x=0 To UBound(tmpVal)
        LogStep norm,CStr(Now)+tb+|Scanning additional Domino Directories|
        splitVar=Split(tmpVal(x),"~")
        splitVar=Split(splitVar(1),"|")
        Set checkDB=session.Getdatabase(splitVar(0),splitVar(1))
        If Not checkDB.isopen Then Call checkDB.Open("", "")
        If checkDB.Isopen Then
            If Not GetPersonDocuments(checkDB) Then
                SetAdminValue "NABPersonDocSyncError", "Could not scan the Person documents in additional Domino Directories - error in synch routine"
                SetAdminValue "NABPersonDocSyncStatus", "Complete"
                Exit Sub
            End If
        End If
    Next
End If
Next
End If
' set how many Person documents were found
Dim userView As NotesView
Set userView=db.Getview("users")
Call userView.Refresh()
userView.Autoupdate=f
Dim userNav As NotesViewNavigator
Set userNav=userView.Createviewnav()
SetAdminValue "PersonDocCount",userNav.Count
' get License Usage documents from any user License Tracking dbs that were discovered
userCount=0
tmpVal=GetAdminValue("LicenseTrackingServers")
If tmpVal(0)<>"" Then
    LogStep norm,CStr(Now)+tb+|Scanning License Tracking system|
    For x=0 To UBound(tmpVal)
        splitVar=Split(tmpVal(x),"|")
        Set checkDB=session.Getdatabase(splitVar(1),"userlicenses.nsf")
        If Not checkDB.isopen Then Call checkDB.Open("", "")
        If checkDB.Isopen Then
            If Not GetLicenseTrackingInfo(checkDB,userCount) Then
                SetAdminValue "NABPersonDocSyncError", "Could not scan the User License Tracking information - error in synch routine"
                SetAdminValue "NABPersonDocSyncStatus", "Complete"
                Exit Sub
            End If
        End If
    Next
End If

```

```
        End If
    End If
Next
End If
SetAdminValue "NABPersonDocSyncdate",Today
SetAdminValue "NABPersonDocSyncStatus","Complete"
LogStep norm,CStr(Now)+tb+"(PullInfoUser)" agent finished|
End Sub
```

Page Information

Name:

Last Modification:

Comment:

Treat contents as HTML:

Subcomponents:

[None]

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

pgBlank

01/11/2023 02:55:16 PM

[Not Assigned]

No

Name:

Alias:

Last Modification:

Comment:

Treat contents as HTML:

Subcomponents:

[None]

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

pgFooter

black

01/11/2023 02:55:13 PM

[Not Assigned]

No

Name:

Last Modification:

Comment:

Window Title Formula:

Treat contents as HTML:

pgHeader

01/11/2023 02:55:12 PM

[Not Assigned]

@DbTitle

No

Subcomponents:

[None]

JavaScript & HTML Code:

[None]

LotusScript Code:

(Globals)

Option Public

Option Declare

Use "slCore"

Dim openWS As NotesUIWorkspace

Dim openUI As NotesUIDocument

Dim openNote As NotesDocument

Dim openSession As NotesSession

Dim openDB As NotesDatabase

Dim openView As NotesView

Dim openAdmin As NotesDocument

Const showlicense=f

Function openGetAdminValue(fldName As String) As Variant

On Error Goto errHandle

Dim empty(0) As String

If openAdmin Is Nothing Then

If openDB Is Nothing Then Print "no handle on DB"

Set openView=openDB.Getview("config")

If openView Is Nothing Then Print "no handle on VIEW"

Set openAdmin=openView.Getdocumentbykey("config",True)

If openAdmin Is Nothing Then

Set openAdmin=openDb.Createdocument()

openAdmin.Form="config"

Call openAdmin.Save(True,True,True)

End If

End If

openGetAdminValue=empty

```

        If openAdmin.Hasitem(fldName) Then openGetAdminValue=openAdmin.Getfirstitem(fldName).Values
errHandle:
'   If Err<>0 Then MsgBox "ERROR in openGetAdminValue: "+Error+Chr(10)+"#: "+Cstr(Err)+"", line: "+Cstr(Erl)
        Exit Function
    End Function
(Page) pgHeader
    Sub Postopen(Source As Notesuidocument)
        Set openWS=New NotesUIWorkspace
        Set openUI=source
        Set openNote=source.Document
        Set openSession=New NotesSession
        Set openDB=openSession.CurrentDatabase
        If showlicense Then
            Dim dialog As New NotesDocument(openDB)
            If Not openWS.ShowDialog("Agreement",True,True,True,False,False,False,"Terms and Conditions",dialog,False,True,False) Then Call openUI.C
            If dialog.Accept(0)="2" Then Call openUI.Close
        End If
        If Not CheckDesign Then
            Call openWS.SetTargetFrame ("Inner")
            Call openWS.OpenPage("pgNotSigned")
        ElseIf Instr(1,openSession.Platform,"Windows",5)=0 Then
            Call openWS.SetTargetFrame ("Inner")
            Call openWS.OpenPage("pgNomad")
        ElseIf openGetAdminValue("ScansComplete")(0)<>"" Then
            Call openWS.SetTargetFrame ("Inner")
            Call openWS.OpenFrameSet("fsInner")
        Else
            Call openWS.SetTargetFrame ("Inner")
            Call openWS.OpenFrameSet("fsLaunch")
        End If
    End Sub

```

Name:

Last Modification:

Comment:

Treat contents as HTML:

Subcomponents:

[None]

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

pgNomad

01/11/2023 02:55:16 PM

[Not Assigned]

No

Name:

Last Modification:

Comment:

Treat contents as HTML:

pgNotSigned

01/11/2023 02:55:19 PM

[Not Assigned]

No

Subcomponents:**Hotspot**

Type:

Caption:

Is Scripted:

Action Hotspot

Re-sign Design

Yes, see below

JavaScript & HTML Code:

[None]

LotusScript Code:**(Hotspot) Re-sign Design**

Sub Click(Source As Button)

Dim ws As New NotesUIWorkspace

Dim session As New Notessession

Dim db As Notesdatabase

Dim view As NotesView

Dim viewNote As NotesDocument

Dim valCheck As NotesName

Dim currentUser As New NotesName(session.UserName)

Set db = session.Currentdatabase

Call db.sign(DBSIGN_DOC_ALL)

Set view=db.Getview("config")

Set viewNote=db.Getdocumentbyunid(view.Universalid)

Set valCheck=New NotesName(viewNote.Getfirstitem("\$UpdatedBy").Values(Ubound(viewNote.Getfirstitem("\$UpdatedBy").Values)))

If valCheck.Organization<>currentUser.Organization Then Exit Sub

Msgbox "The design of the Domino License Analysis Utility has been re-signed."+Chr(10)+Chr(10)+"the utility will now close. Please re-open the uti

Call ws.CurrentDocument.Close

Frameset Information

Name:

Last Modification:

Comment:

Available to public access users:

Window Title Formula:

fslinner

01/11/2023 02:55:15 PM

[Not Assigned]

No

@DbTitle

HTML Code:

```
<frameset border="0" rows="" cols="140,80%">  
<frame name="Sidebar" frameborder="0" scrolling="no" noresize>  
<frame name="Main" scrolling="auto">  
</frameset>
```

Name:

Last Modification:

Comment:

Available to public access users:

Window Title Formula:

HTML Code:

```
<frameset frameborder="0" border="0" rows="*" cols="*">  
<frame frameborder="0">  
</frameset>
```

fsLaunch

01/11/2023 02:55:17 PM

[Not Assigned]

No

[Not Assigned]

Name:

Last Modification:

Comment:

Available to public access users:

Window Title Formula:

HTML Code:

```
<frameset rows="*" cols="*">  
<frame>  
</frameset>
```

fsReport

01/11/2023 02:55:18 PM

[Not Assigned]

No

[Not Assigned]

Name:

Last Modification:

Comment:

Available to public access users:

Window Title Formula:

HTML Code:

```
<frameset rows="*" cols="*">  
<frame>  
</frameset>
```

fsResults

01/11/2023 02:55:14 PM

[Not Assigned]

No

[Not Assigned]

Name:

Last Modification:

Comment:

Available to public access users:

Window Title Formula:

fsSidebar

01/11/2023 02:55:15 PM

[Not Assigned]

No

[Not Assigned]

HTML Code:

```
<frameset frameborder="0" border="0" rows="*" cols="*">  
<frame name="Sidebar" frameborder="0" scrolling="no" noresize>  
</frameset>
```

Name:**fsSidebar2**

Last Modification:

01/11/2023 02:55:15 PM

Comment:

[Not Assigned]

Available to public access users:

No

Window Title Formula:

[Not Assigned]

HTML Code:

```
<frameset frameborder="0" border="0" rows="*" cols="*">  
<frame name="Sidebar" frameborder="0" scrolling="no" noresize>  
</frameset>
```

Name:**fsSidebar3**

Last Modification:

01/11/2023 02:55:15 PM

Comment:

[Not Assigned]

Available to public access users:

No

Window Title Formula:

[Not Assigned]

HTML Code:

```
<frameset frameborder="0" border="0" rows="" cols="">  
<frame name="Sidebar" frameborder="0" scrolling="no" noresize>  
</frameset>
```

Name:

Last Modification:

Comment:

Available to public access users:

Window Title Formula:

HTML Code:

```
<frameset rows="*" cols="*">  
<frame>  
</frameset>
```

fsTools

01/11/2023 02:55:16 PM

[Not Assigned]

No

[Not Assigned]

Name:

Last Modification:

Comment:

Available to public access users:

Window Title Formula:

Launch

01/11/2023 02:55:12 PM

[Not Assigned]

No

@DbTitle

HTML Code:

```
<frameset frameborder="0" border="0" rows="100,* ,45" cols="*">
<frame name="Header" frameborder="0" scrolling="no" noresize>
<frame name="Inner" frameborder="0" scrolling="auto" noresize>
<frame name="Footer" frameborder="0" scrolling="no" noresize>
</frameset>
```

Image Information

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

actionbarblack.png

01/11/2023 02:55:18 PM

[Not Assigned]

1

1

No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

actionbarwhite.png

01/11/2023 02:55:12 PM

[Not Assigned]

1

1

No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

blue-bar.png

01/11/2023 02:55:17 PM

[Not Assigned]

1

1

No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

buttonbg.png

01/11/2023 02:55:16 PM

[Not Assigned]

1

1

No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

circle-dot.png

01/11/2023 02:55:17 PM

[Not Assigned]

1

1

No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

close.png

01/11/2023 02:55:12 PM

[Not Assigned]

1

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

denyaccess.png

01/11/2023 02:55:14 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

edit.png

01/11/2023 02:55:12 PM

[Not Assigned]

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1

No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

export.png

01/11/2023 02:55:17 PM

[Not Assigned]

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1

No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

history.png

01/11/2023 02:55:17 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

home.png

01/11/2023 02:55:12 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

information--square.png

01/11/2023 02:55:12 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

info.png

01/11/2023 02:55:13 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

loading.gif

01/11/2023 02:55:14 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

logo.png

01/11/2023 02:55:13 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

logo_header.png

01/11/2023 02:55:17 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

logo_medium.png

01/11/2023 02:55:17 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

logo_small.png

01/11/2023 02:55:13 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

logo_tiny.png

01/11/2023 02:55:17 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

mobile--check.png

01/11/2023 02:55:12 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

new.png

01/11/2023 02:55:13 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

observation.png

01/11/2023 02:55:18 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

print.png

01/11/2023 02:55:12 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

refresh.png

01/11/2023 02:55:14 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

save.png

01/11/2023 02:55:12 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

select.png

01/11/2023 02:55:15 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tasks.png

01/11/2023 02:55:13 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tools.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_backup.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_cleanup.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_security_check.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_settings_review.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_tracking.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_user_add.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_user_remove.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

tool_web_check.png

01/11/2023 02:55:16 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

twisty.gif

01/11/2023 02:55:15 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

user remove.png

01/11/2023 02:55:13 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

users.png

01/11/2023 02:55:13 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

viewtwistie

01/11/2023 02:55:15 PM

[Not Assigned]

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No

Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

view.png

01/11/2023 02:55:13 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

warning.png

01/11/2023 02:55:17 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

wizard.png

01/11/2023 02:55:17 PM

[Not Assigned]

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Name:

Last Modification:

Comment:

Images Across:

Images Down:

Colorize Grays:

\$DBIcon

01/11/2023 02:55:12 PM

[Not Assigned]

1

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No

Other Information

Type:

Last Modification:

JavaScript & HTML Code:

[None]

LotusScript Code:

[None]

"About Application" Document

01/11/2023 02:55:13 PM

