

Mode: All Lines

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs

1	<html>	+ -		
2	<head>			
3	<title>Provision a user</title>			
4	<HTA:APPLICATION			
5	ID="oHTA"/>			
6		=		
7	<style>	+ -		
8	body, tr, td, table, p, input {			
9	» ont-family: arial; font-size: 9pt;}			
10	.trodd {background-color: #cccc			
11	» c;}			
12	.treven {background-color: #ffff			
13	» ff;}			
14	.tdlabel {width: 30%}			
15	.tdvalue {width: 70%}			
16	.StatusInfo {font-color: black;			
17	» font-size: 80%; margin: 3 3 3 3;}			
18	.StatusError {font-color: black;			
19	» font-size: 80%; background-color: #FF			
20	» 9999; margin: 3 3 3 3;}			
21	.Instructions {font-color: black			
22	» ; font-size: 80%; background-color: #E			
23	» EEEEE;}			
24	</style>			
25		=	1	
26	<script language="vbscript">	+ -		
27	Option Explicit	=	2	Option Explicit
28		+ -	3	Dim bInteractive
29	Dim sDomainDNS, sDomainNetBIOS, sDomainD	=	4	Dim sDomainDNS, sDomainNetBIOS, sDomainD
30	» N		5	» N
31	Dim iPasswordLength, sUPNSuffix		6	Dim iPasswordLength, sUPNSuffix
32	Dim sSAM, sUPN, sCN, sDisplay, sUser		7	Dim sSAM, sUPN, sCN, sDisplay, sUser
33	Dim sFirst, sInit, sMiddle, sLast		8	Dim sFirst, sInit, sMiddle, sLast
34	Dim sDescription, sTargetOU		9	Dim sDescription, sTargetOU
35	Dim sProfileNamespace, sProfilePath		10	Dim sProfileNamespace, sProfilePath
36			11	
37	' =====		12	' =====
38	» =====		13	» =====
39	' CONFIGURATION BLOCK		14	' CONFIGURATION BLOCK
40		+ -	15	bInteractive = True ' TRUE:
41			16	» Script can be run from command prompt
42			17	» .
43			18	» ' FALSE: Limits the output of
44			19	» the script (for running unattended).
45		=	20	
46	sDomainDNS = "contoso.com"		21	sDomainDNS = "contoso.com"
47	sDomainDN = "dc=contoso,dc=com"		22	sDomainDN = "dc=contoso,dc=com"
48	sDomainNetBIOS = "CONTOSO"		23	sDomainNetBIOS = "CONTOSO"
49	sUPNSuffix = "contoso.com"		24	sUPNSuffix = "contoso.com"
50	sProfileNamespace = "\\contoso.com\users		25	sProfileNamespace = "\\contoso.com\users
51	» \%username%\profile"		26	» \%username%\profile"
52	iPasswordLength = 15		27	iPasswordLength = 15
53	' =====		28	' =====
54	» =====		29	» =====
55			30	
56		+ -	31	Call MainRoutine() ' Code is containe
57			32	» ned in a subroutine to make it easier

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

			24	» to port to an HTA WScript.Quit
37	Sub MainRoutine() 38 Dim oUser, oTargetOU	=	25 26	Sub MainRoutine() Dim oUser, oTargetOU
39	' clear out any existing text in » the status area 40 divStatus.innerText = ""	+ -		
41		=	28	
42	Call Arguments() 43 Call BusinessLogic() 44 If Not Validate() Then Exit Sub	<>	29 30 31	Call Arguments() » ' Take what was passed » to the script Call BusinessLogic() » ' Apply business logic If Not Validate() Then Exit Sub » ' See if the results are valid, and if » not, quit
45	' Connect to OU 46 Set oTargetOU = GetObject("LDAP: » //" & sTargetOU) 47 ' Create user and properties 48 Set oUser = oTargetOU.Create("us » er", "cn=" & sCN) 49 WriteProperty oUser, "userPrincip » alName", sUPN 50 WriteProperty oUser, "sAMAccountN » ame", sSAM 51 WriteProperty oUser, "givenName", » sFirst 52 WriteProperty oUser, "initials", » sInit 53 WriteProperty oUser, "middleName" » , sMiddle 54 WriteProperty oUser, "sn", sLast 55 WriteProperty oUser, "description » ", sDescription 56 WriteProperty oUser, "displayName » ", sDisplay 57 WriteProperty oUser, "profilePath » ", sProfilePath 58 oUser.SetInfo 59 60 61 ' Generate random password 62 Dim sTempPassword, iCase, i 63 ' Start with an upper, a lower, » and a numeric character 64 ' to ensure complexity requireme » nts are met 65 sTempPassword = RandomLetter(1) 66 sTempPassword = RandomLetter(2) 67 sTempPassword = RandomLetter(3) 68 ' Now fill the remaining length » with random characters 69 For i=1 To iPasswordLength - 3 70 randomize() 71 iCase = int(3*rnd()) 72 sTempPassword = sTempPas » sword & RandomLetter(iCase)	=	32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72	' Connect to OU Set oTargetOU = GetObject("LDAP: » //" & sTargetOU) ' Create user and properties Set oUser = oTargetOU.Create("us » er", "cn=" & sCN) WriteProperty oUser, "userPrincip » alName", sUPN WriteProperty oUser, "sAMAccountN » ame", sSAM WriteProperty oUser, "givenName", » sFirst WriteProperty oUser, "initials", » sInit WriteProperty oUser, "middleName" » , sMiddle WriteProperty oUser, "sn", sLast WriteProperty oUser, "description » ", sDescription WriteProperty oUser, "displayName » ", sDisplay WriteProperty oUser, "profilePath » ", sProfilePath oUser.SetInfo ' Generate random password Dim sTempPassword, iCase, i ' Start with an upper, a lower, » and a numeric character ' to ensure complexity requireme » nts are met sTempPassword = RandomLetter(1) sTempPassword = RandomLetter(2) sTempPassword = RandomLetter(3) ' Now fill the remaining length » with random characters For i=1 To iPasswordLength - 3 randomize() iCase = int(3*rnd()) sTempPassword = sTempPas » sword & RandomLetter(iCase)

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

73	Next		60	Next
74	oUser.SetPassword sTempPassword		61	oUser.SetPassword sTempPassword
75			62	
76	' Enable account		63	' Enable account
77	oUser.AccountDisabled = False		64	oUser.AccountDisabled = False
78	oUser.SetInfo		65	oUser.SetInfo
79			66	
80	divStatus.innerHTML = "User " & » sCN & " created."	<>	67	WScript.Echo "User " & sCN & " c » reated."
81	End Sub	=	68	End Sub
82			69	
83	Sub Arguments()		70	Sub Arguments()
		-+	71	Dim oArgs
84		=	72	
		-+	73	' Check for "HELP"
			74	If (WScript.Arguments.Count = 0)
			75	» Or _ (WScript.Arguments.Named » .Exists("?")) Then Call Usage()
		=	76	
		<>	77	Set oArgs = WScript.Arguments.Na » med
85	sFirst = txtFirstName.value		78	sFirst = oArgs("firstname")
86	sInit = txtInitial.value		79	sInit = oArgs("initial")
87	sMiddle = txtMiddleName.value		80	sMiddle = oArgs("middlename")
88	sLast = txtLastName.value		81	sLast = oArgs("lastname")
89	sSAM = txtSAMAccountName.value		82	sSAM = oArgs("samaccountname")
90	sDescription = txtDescription.va » lue		83	sDescription = oArgs("descriptio » n")
91	sTargetOU = cboTargetOU.value		84	sTargetOU = oArgs("ou")
92		=	85	
93	End Sub		86	End Sub
94			87	
95	Sub BusinessLogic()		88	Sub BusinessLogic()
96	Call CalculateNames()		89	Call CalculateNames()
97	sProfilePath = Replace(sProfileN » amespace, "%username%", sSAM)		90	sProfilePath = Replace(sProfileN » amespace, "%username%", sSAM)
98	End Sub		91	End Sub
99			92	
100	Sub CalculateNames()		93	Sub CalculateNames()
101	Dim sName, sNamePart		94	Dim sName, sNamePart
102			95	
103	' COMMON NAME		96	' COMMON NAME
104	sName = ""		97	sName = ""
105	sNamePart = txtFirstName.value	<>	98	sNamePart = sFirst
106	If sNamePart > "" Then sName = s » Name & sNamePart & " "	=	99	If sNamePart > "" Then sName = s » Name & sNamePart & " "
107	sNamePart = txtMiddleName.value	<>	100	sNamePart = sMiddle
108	If sNamePart > "" Then sName = s » Name & sNamePart & " "	=	101	If sNamePart > "" Then sName = s » Name & sNamePart & " "
109	sNamePart = txtLastName.value	<>	102	sNamePart = sLast
110	If sNamePart > "" Then sName = s » Name & sNamePart & " "	=	103	If sNamePart > "" Then sName = s » Name & sNamePart & " "
111	' Trim off the last space		104	' Trim off the last space
112	sName = Trim(sName)		105	sName = Trim(sName)
113	txtCommonName.value = sName	+-		
114	sCN = sName	=	106	sCN = sName
115			107	
116	' DISPLAY NAME		108	' DISPLAY NAME

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

117	sName = ""		109	sName = ""
118	sNamePart = txtLastName.value	<>	110	sNamePart = sLast
119	If sNamePart > "" Then sName = s » Name & sNamePart	=	111	If sNamePart > "" Then sName = s » Name & sNamePart
120	If txtFirstName.Value > "" Or tx » tMiddleName.Value > "" Then	<>	112	If sFirst > "" Or sMiddle > "" T » hen
121	sName = sName & ", "	=	113	sName = sName & ", "
122	End If		114	End If
123	sNamePart = txtFirstName.value	<>	115	sNamePart = sFirst
124	If sNamePart > "" Then sName = s » Name & sNamePart & " "	=	116	If sNamePart > "" Then sName = s » Name & sNamePart & " "
125	sNamePart = txtMiddleName.value	<>	117	sNamePart = sMiddle
126	If sNamePart > "" Then sName = s » Name & sNamePart & " "	=	118	If sNamePart > "" Then sName = s » Name & sNamePart & " "
127	' Trim off the last space		119	' Trim off the last space
128	sName = Trim(sName)		120	sName = Trim(sName)
129	txtDisplayName.value = sName	+-		
130	sDisplay = sName	=	121	sDisplay = sName
131			122	
132	' USER PRINCIPAL NAME (email: fi » rst.middle.last)		123	' USER PRINCIPAL NAME (email: fi » rst.middle.last)
133	sName = ""		124	sName = ""
134	sNamePart = sFirst		125	sNamePart = sFirst
135	If sNamePart > "" Then sName = s » Name & sNamePart & " "		126	If sNamePart > "" Then sName = s » Name & sNamePart & " "
136	sNamePart = sMiddle		127	sNamePart = sMiddle
137	If sNamePart > "" Then sName = s » Name & sNamePart & " "		128	If sNamePart > "" Then sName = s » Name & sNamePart & " "
138	sNamePart = sLast		129	sNamePart = sLast
139	If sNamePart > "" Then sName = s » Name & sNamePart & " "		130	If sNamePart > "" Then sName = s » Name & sNamePart & " "
140	' Trim off the last space		131	' Trim off the last space
141	sName = Trim(sName)		132	sName = Trim(sName)
142	' Replace spaces with periods		133	' Replace spaces with periods
143	sName = Replace(sName, " ", ".")		134	sName = Replace(sName, " ", ".")
144	' Add UPN suffix		135	' Add UPN suffix
145	sName = sName & "@" & sUPNSuffix		136	sName = sName & "@" & sUPNSuffix
146	txtUPN.value = sName	+-		
147	sUPN = sName	=	137	sUPN = sName
148	End Sub		138	
149			139	End Sub
150	Function Validate()		140	
151	If (sUPN="") Or (sSAM="") Or (sC » N="") Or (sDisplay="") Or (sTargetOU="		141	Function Validate()
	» ") Then		142	If (sUPN="") Or (sSAM="") Or (sC » N="") Or (sDisplay="") Or (sTargetOU="
				» ") Then
152	divStatus.innerText = "R » equired arguments are missing."	<>	143	WScript.Echo "Required a » rgument(s) missing."
153	Validate = False	=	144	Validate = False
154	Else		145	Else
155	Validate = True		146	Validate = True
156	End If		147	End If
157	End Function		148	End Function
		+-	149	
			150	Sub Usage() If bInteractive Then WScript.Echo WScript.Echo "USER_CREAT » E.VBS"

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

			<pre> 154 WScript.Echo "Creates a » user object" 155 WScript.Echo "Usage: csc » ript.exe " & WScript.ScriptName & VbC » rLf & _ 156 » " /firstname:John » [/initial:Q] [/middlename:Franklin]" & » VbCrLf & _ 157 » " /lastname:Doe" & » VbCrLf & _ 158 » " /samaccountname: » "jdoe"" & VbCrLf & _ 159 » " /ou:"ou=Employe » es,ou=People,dc=contoso,dc=com"" & Vb » CrLf & _ 160 » " [/description:" » Accountant in Sydney"]" & VbCrLf 161 End If 162 WScript.Quit(500) 163 End Sub </pre>
<pre> 158 159 Sub WriteProperty(oDirectoryEntry, sProp » ertyName, sPropertyValue) 160 If sPropertyValue>" then 161 oDirectoryEntry.Put sPropertyName » ,sPropertyValue 162 End If 163 End Sub 164 165 Function RandomLetter(iCase) 166 ' Returns a random letter or number 167 ' icense = 0 (UPPER), 1 (lower) or 2 (n » umeric) 168 Dim iMax, iMin 169 randomize() 170 Select Case iCase 171 Case 0 172 iMin=65 173 iMax=26 174 Case 1 175 iMin=97 176 iMax=26 177 Case 2 178 iMin=48 179 iMax=10 180 End Select 181 RandomLetter=chr(int(iMax*rnd() + iM » in)) 182 End Function 183 184 185 </pre>	<pre> = 164 165 Sub WriteProperty(oDirectoryEntry, sProp » ertyName, sPropertyValue) 166 If sPropertyValue>" then 167 oDirectoryEntry.Put sPropertyName » ,sPropertyValue 168 End If 169 End Sub 170 171 Function RandomLetter(iCase) 172 ' Returns a random letter or number 173 ' icense = 0 (UPPER), 1 (lower) or 2 (n » umeric) 174 Dim iMax, iMin 175 randomize() 176 Select Case iCase 177 Case 0 178 iMin=65 179 iMax=26 180 Case 1 181 iMin=97 182 iMax=26 183 Case 2 184 iMin=48 185 iMax=10 186 End Select 187 RandomLetter=chr(int(iMax*rnd() + iM » in)) 188 End Function 189 </pre>		<pre> 164 165 Sub WriteProperty(oDirectoryEntry, sProp » ertyName, sPropertyValue) 166 If sPropertyValue>" then 167 oDirectoryEntry.Put sPropertyName » ,sPropertyValue 168 End If 169 End Sub 170 171 Function RandomLetter(iCase) 172 ' Returns a random letter or number 173 ' icense = 0 (UPPER), 1 (lower) or 2 (n » umeric) 174 Dim iMax, iMin 175 randomize() 176 Select Case iCase 177 Case 0 178 iMin=65 179 iMax=26 180 Case 1 181 iMin=97 182 iMax=26 183 Case 2 184 iMin=48 185 iMax=10 186 End Select 187 RandomLetter=chr(int(iMax*rnd() + iM » in)) 188 End Function 189 </pre>
<pre> 186 » </pre>	<pre> ===== » ===== </pre>	<pre> +- </pre>	

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

187	' HTA Functions		
188		=	
189	Sub Window_Onload	+ -	
190		=	
191	Call CenterMe(500,460)	+ -	
192		=	
193	' Disable the fields that will b	+ -	
	» e driven with business logic		
194	txtDisplayName.disabled = True		
195	txtCommonName.disabled = True		
196	txtUPN.disabled = True		
197		=	
198	End Sub	+ -	
199		=	
200	Sub txtFirstName_OnChange()	+ -	
201	Call CalculateNames()		
202	End Sub		
203		=	
204	Sub txtLastName_OnChange()	+ -	
205	Call CalculateNames()		
206	End Sub		
207		=	
208	Sub txtMiddleName_OnChange()	+ -	
209	Call CalculateNames()		
210	txtInitial.Value = Left(txtMiddl		
	» eName.value, 1)		
211	End Sub		
212		=	
213	Sub CenterMe(iSizeH, iSizeV)	+ -	
214	' VERSION 070709		
215	' Repositions the window		
	» to be centered and sized		
216	' INPUTS: iSizeH:		
	» The desired horizontal size of the win		
	» dow		
217	'		
	» iSizeV: The desired vertical size of t		
	» he window		
218	' NOTE: Windows		
	» Server 2008 does not expose the		
219	'		
	» display resolution, by default, so the		
	» routine		
220	'		
	» will only size the window in the event		
	» that the		
221	'		
	» resolution is not available		
222		=	
223	Dim sComputer, oWMIServi	+ -	
	» ce, cItems, oItem		
224	Dim iResolutionH, iResol		
	» utionV, iPositionH, iPositionV		
225		=	
226	' Get this computer's di	+ -	
	» splay resolution		
227	sComputer = "."		
228	Set oWMIService = GetObject("win		
	» mgmts:\\\" & sComputer & "\root\cimv2")		

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

229	Set cItems = oWMIService.ExecQue » ry("Select * From Win32_DesktopMonitor » ")			
230	For Each oItem in cItems			
231	iResolutionH = oItem.ScreenW » idth			
232	iResolutionV = oItem.ScreenH » eight			
233	' Windows Server 2008 do » es not provide the ScreenHeight & Scre » enWidth by default			
234	' so, below, we have to » provide for this possibility			
235	Next			
236		=		
237	' Calculatate the "centered" posi » tion	+-		
238	iPositionH = (iResolutionH - iSi » zeH) / 2			
239	iPositionV = (iResolutionV - iSi » zeV) / 2			
240		=		
241	' Resize and reposition the wind » ow	+-		
242	window.resizeTo iSizeH, iSizeV			
243	If iResolutionH >0 and iResoluti » onH > 0 Then			
244	window.moveTo iPositionH » , iPositionV			
245	End If			
246		=		
247	End Sub	+-		
248		=		
249				
250	</script>	+-		
251		=		
252	</head>	+-		
253		=		
254	<body>	+-		
255		=		
256	<table cellpadding="0" cellspacing="0" » width="100%">	+-		
257	<tr>			
258	<td colspan="2" style="f » ont-size: 14pt;">			
259	<!---->			
260	Provision a user			
261	</td>			
262	</tr>			
263	</table>			
264	<hr/>			
265	<table cellpadding="0" cellspacing="0" » width="100%">			
266	<tr>			
267	<td class="tdlabel">Firs » t name</td>			
268	<td class="tdvalue"><INP			

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

```

269     >> UT type="text" name="txtFirstName" id=
270     >> "txtFirstName" size="30" value=""></td
271     >> >
272     </tr>
273     <tr>
274         <td class="tdlabel">Midd
275     >> le name</td>
276         <td class="tdvalue"><INP
277     >> UT type="text" name="txtMiddleName" id
278     >> ="txtMiddleName" size="30" value=""></
279     >> td>
280     </tr>
281     <tr>
282         <td class="tdlabel">Init
283     >> ial</td>
284         <td class="tdvalue"><INP
285     >> UT type="text" name="txtInitial" id="t
286     >> xtInitial" size="30" value=""></td>
287     </tr>
288     <tr>
289         <td class="tdlabel">Last
290     >> name</td>
291         <td class="tdvalue"><INP
292     >> UT type="text" name="txtLastName" id="
293     >> txtLastName" size="30" value=""></td>
294     </tr>
295     <tr>
296         <td class="tdlabel">Pre-
297     >> Windows 2000 logon name</td>
298         <td class="tdvalue"><INP
299     >> UT type="text" name="txtSAMAccountName
300     >> " id="txtSAMAccountName" size="30" val
301     >> ue=""></td>
302     </tr>
303     <tr>
304         <td class="tdlabel">Desc
305     >> ription</td>
306         <td class="tdvalue"><INP
307     >> UT type="text" name="txtDescription" i
308     >> d="txtDescription" size="30" value="">
309     >> </td>
310     </tr>
311     <tr>
312         <td class="tdlabel">Crea
313     >> te user in</td>
314         <td class="tdvalue">
315     >> <select name="cb
316     >> oTargetOU" />
317     >> <option
318     >> value="">User type</option>
319     >> <option
320     >> value="ou=Employees,ou=People,dc=contoso,dc=com">Employee</option>
321     >> <option
322     >> value="ou=Contractors,ou=People,dc=contoso,dc=com">Contractor</option>
323     >> </select>
324     >>
325     </td>

```

Left file: C:\SC07\User_Provision.hta Right file: C:\SC07\User_Provision.vbs (continued)

```
299     </tr>
300     <tr>
301         <td class="tdlabel">Disp
302     > lay name</td>
303         <td class="tdvalue"><INP
304     > UT type="text" name="txtDisplayName" i
305     > d="txtDisplayName" size="30" value="">
306     > </td>
307     </tr>
308     <tr>
309         <td class="tdlabel">Comm
310     > on name</td>
311         <td class="tdvalue"><INP
312     > UT type="text" name="txtCommonName" id
313     > ="txtCommonName" size="30" value=""></
314     > td>
315     </tr>
316     <tr>
317         <td class="tdlabel">User
318     > principal name</td>
319         <td class="tdvalue"><INP
320     > UT type="text" name="txtUPN" id="txtUP
321     > N" size="20" value=""></td>
322     </tr>
323 </table>
324 <hr/>
325 <table cellpadding="0" cellspacing="0"
326 > width="100%">
327     <tr><td>
328         <INPUT type="button" nam
329     > e="btnCommand" value="CREATE USER" sty
330     > le="width:100;" onclick="MainRoutine()
331     > ">
332     </td></tr>
333 </table>
334 <hr/>
335 <div id="divStatus" name="divStatus" cla
336 > ss="StatusInfo">&nbsp;</div>
337 <hr/>
338 <div id="divInstructions" name="divInstr
339 > uctions" class="Instructions">
340 </div>
341 </body>
342 </html>
```