

Werking HFA Desksharing met DLS server in Osbiz networking

In dit document wordt beschreven wat er in een "*OpenScape Deployment Server*", kortweg DLS, geconfigureerd dient te worden indien er HFA Deskshare (Mobile Login) mogelijk moet zijn in een OpenScape Business networking omgeving.

Osbiz Network Scenario:

- OpenScape Business S (Node 1) Nummerplan 1XXX
- OpenScape Business X5R (Node 2) Nummerplan 55XX
- OpenScape Business X5R (Node 3) Nummerplan 57XX
- DLS version minimaal V7R3.12.0 (451)

De functionaliteit HFA Deskshare, ook wel Mobile logon in een Osbiz networking functioneert enkel bij gebruikmaking van een externe DLS.*

*) Belangrijk hierbij is dat de IP toestellen het DLS adres toegekend hebben gekregen.

IP Device Con	figuration	ı							Job ID:
Object Edit Vie	w Action	Help							
Views: 🔘 Sear	ch 🖲 Ob	oject 🔾 Table							
IP Address:	192.168	.11.106		-	IP Address 2:				
Device ID:	00:1A:E8	3:63:DD:9D			SW Version:		V3 R	0.35.0	
Device Type:	OpenSca	ape Desk Phone	IP 55G		SW Type:		Unif	y HFA	
E.164:	1202			î	Reg-Address:		192	.168.11.11	
Basic E.164:					Reg-Number:		576	5	
Remarks:									
General EM 9	Synchroni	zation Profile	DLS Connectivity	Secu	rity State Protocol	DC	CMP	Autoconfig. IP Phone	Autoconfig. IP Client
DLS Connectivity	y								
DLS Server A	\ddress:	192.168.13.41)					
DLS Port:		18443							
Contact-me	URI:	http://192.168.	11.106:8085/cont	act_dls.	html/ContactDLS				



Indien een Deskshare user met een intern nummer van Osbiz Node 3 wil inloggen op een toestel op Osbiz Node 1 zal in Node 1 een toestelnummer van Node 3 niet bekend zijn. Dit geldt natuurlijk ook andersom.

Bij gebruikmaking van een externe DLS zal het toestel eerst zoeken binnen zijn eigen node naar het interne nummer, wordt deze <u>niet</u> gevonden zal het toestel de DLS contacteren. Daar wordt het nummer <u>wel</u> gevonden, zodat het toestel zich zal gaan aanmelden op de juiste node.

Voor de juiste werking dient op de DLS server het volgende ingericht te worden. Binnen de DLS is het mogelijk om de OpenScape Business systemen in het netwerk te laten *"Synchroniseren"* met de DLS server, hierdoor zijn alle toestelnummers binnen het Osbiz netwerk bij de DLS server bekend.

OpenScape Deployment Servi	ice		Active Alarms: 7 🧌
🖌 🖉	Element Manager	Job ID:	🗸 Exec Time: 🕕 asap 🔳
DeploymentService DeploymentService Poexes Poexex Poexes Poexes Poexes Poexes Poexes Poexes	Diement Manager Object C Table Element Manager Address:	Job ID: Element Manager Type: On Synchronization update registered workpoints as soon as possible	Exec Time: () assp
Virash Virash	2nd EM Address: Port: Protocol: Account: Password: E.164 Prefix: Remark: OpenScape Voice OpenScape Voice Assistant HiPath 4000 Assistant	Rilow just 1 workpoint per E.164 RAd new subscribers as IP Clients Add new subscribers as IP Phones Synchronization interval [min]: HiPath 3000/5000 Protocol	(0 = no automatic synchronization)
	Maximum number of Protocols:	X 9 dt	Clear Window Search New

Zie "Deployment-Element Manager-Element Manager Configuration"

Klik op "New".

- 1. Selecteer onder "Element Manager Type"
- 2. OpenScape Business
- 3. Klik op OK



Views: OSearch OObject OTabl	le 🖲 New								
Element Manager ID:		Element Ma	anager Type:		OpenScape Vo	bice	1		^
Element Manager Address:		On Syn workpr	nchronization up	late registered					
2nd EM Address:		🗖 Allow j	🕌 Find in table	E			×		
Port: 8769	Protocol: http	📕 🗌 Add ne	Search: Op	enScape Voice					
Account:		Add ne		Eler	ment Manager T	ype			
Password:		Synchroniza	OpenOffice EE	5000					
E.164 Prefix:			HiPath 4000 (W	Vebservice)					
Remark:			OpenScape Vo	ice					
			OpenScape Vo OpenScape Bu	ice Assistant siness	2				
OpenScape Voice OpenScape Voice	Assistant HiPath 4000 Assist	ant HiPath 3000/5000	OpenScape Of HiPath DXWeb	fice MX/LX Pro					
Compatibility Mode									
Last Synchronization (YYY-MM-DDT	hh:mm):		14 -4	7/9	b- bi	OK	Cancel		
Synchronized Data				,,,,		3	concer		
	Feature Codes								
Display ID synchronization	Call Pickup Group URI:								
Deleted Subscribers	Conference Factory URI:								
SIP Authentication Parameters	s Callback Busy URI:								
Transport Protocol	Callback No-Reply URI:								~
								Discard	Save

Configureer de volgende gegevens in de "Element Manager".

- 1. Een naam als Element manager ID, voorbeeld OsBiz S (Node1)
- 2. IP adres van de Osbiz
- 3. User account name (incl. @system)
- 4. Password (via sleutel icoon)
- 5. Activeer "Allow just 1 workpoint per E.164" dit i.v.m. dubbele nummers te voorkomen
- 6. Stel een synchronisatie tijd in minuten in

Element Manager ID:	Osbiz S	1	Element Manager Type:	OpenScape Business
Element Manager Address:	192.168.11.11	2	On Synchronization update registere workpoints as soon as possible	:d
2nd EM Address:			Allow just 1 workpoint per E.164	5
Port:		Protocol:	Add new subscribers as IP Clients	
Account:	administrator	@system 3	Add new subscribers as IP Phones	
Password:	•••••	8 4	Synchronization interval [min]:	120 (0 = no automatic synchronization)
E.164 Prefix:				-
Remark:				
OpenScape Voice OpenSca	pe Voice Assista	nt HiPath 4000 Assistant HiPa	th 3000/5000 Protocol	
Maximum number of Protoc	ols: 10			
Table Selected entry	y ⊯ ⊲ 1	/10	e st	
Date	Status		Result	
2016-09-08 11:13:42	ок	Synchronization of Plug&Play Data wi	ith Elementmanager started at 'Thu Sep 08 11:13:	41 CEST 2016'*********
2016-09-08 09:13:42	ОК	Synchronization of Plug&Play Data wi	ith Elementmanager started at 'Thu Sep 08 09:13:	41 CEST 2016'************************************
2016-09-08 07:13:41	ОК	Synchronization of Plug&Play Data wi	ith Elementmanager started at 'Thu Sep 08 07:13:	41 CEST 2016'************************************

Als test is het mogelijk om direct een synchronisatie te starten via de "Synchronize" knop.



Discard Say	e New	Delete	Synchronize	Refresh

Het "*Device ID*" van een vrij toestelnummer heeft in de DLS onder "*IP Device Configuratie*" een tijdelijk "*Device ID*" bestaande uit een @ met een uniek getal. Toestelnummer 1202 heeft nog geen IP adres en er is nog geen toestel op aangemeld, er is geen "*Device ID* = *mac-id toestel*" te zien.

OpenScape Deployment Serv	vice									Active Alarms	s: 7 🎲
• ا ا	P 🖓	Device Configuration				Job I	D:		~	Exec Time: 🕕 asap	
DeploymentService	Object	t Edit View Action He	lo								
Administration	Views		Table .								
IP Phone Configuration	views	. O search O object									
IP Client Configuration		E.164	Basic E.164	Mobile User	IP Address	IP Address 2	IP	IP Protocol	Device ID	Device Type	Device
IP Gateway Configuration		1178	1178		0.0.0.0			IPv4	@1400590556310		IP Phone ^
IP Device Interaction		1186	1186	í	0.0.0.0		<u> </u>	IPv4	@1400590573284		IP Phone
IP Device Management		1187	1187	í	0.0.0.0		_	IPv4	@1400590573503		IP Phone
✓ Trash		1189	1189	í	0.0.0.0		<u> </u>	IPv4	@1400590564688		IP Phone
··· ✓ IP Infrastructure		1191	1191		0.0.0.0		<u> </u>	IPv4	@1400590556494		IP Phone
IP Device Configuration		1195	1195	1	0.0.0.0		<u> </u>		@1466589627426		IP Phone
Mobile Users		120		·	192,168,51,26		_	IPv4	00:01:E3:21:1B:D2	optiPoint 410 standard	IP Phone
Software Deployment		1201		<u> </u>	192,168,11,148		<u> </u>	IPv4	00:1A:E8:03:04:D6	OpenStage 60	IP Phone
🕮 🔚 Element Manager		1202			0000				@1466589627106		IP Phone
Profile Management		1203			0.0.0.0		-		@1466585758954		IP Phone
Job Coordination		1204		<u></u>	192 168 11 107		_	IDv/4	00-1A-E8-57-EC-0B	OpenStage 60	IP Phone
✓ Logoff admin		1205			192 168 11 111		-	IDv/	00:14:E8:58:06:CD	OpenScape Desk Phone IP 350	IP Phone
		1205			0.0.0.0		_	1	@1466672421226	openscape besk Phone IP 55	ID Dhone
		1200		Mobile user longed on	102 169 11 100		_	IDv/	00-14-00072421230	OpenScape Deck Phone ID 550	ID Dhone
		1207		La Hobie user logged on	102.168.11.100		_	ID-4	00:1A:E8:03:DE:B0	OpenScape Desk Phone IP 330	ID Dhees
		1200			192.108.11.128		_	10.4	00:14:68:03:04:02	OpenStage 60	ID Disease
		1209			192.100.11.155		_	IPV4	00:1A:E6:05:92:55	OpenStage 60	ID Dhank
		1210			192.108.11.110		_	IPV4	00:1A:E8:3C:03:90	OpenStage 00	IP Phone
		1211		Tar Home User logged on	192.108.11.105		_	IPV4	00:1A:E8:6A:C4:DF	OpenScape Desk Phone IP 550	IP Phone
		1212			192.168.11.125			IPv4	00:1A:E8:3E:31:B7	OpenStage 60	IP Phone
		1213			192.168.11.126			IPv4	00:1A:E8:3E:31:FF	OpenStage 60	IP Phone
		1214			0.0.00				@1466585759297	<u> </u>	IP Phone
		1215			192.168.11.117			IPv4	00:1A:E8:58:F3:46	OpenStage 60	IP Phone
		1216		I Mobile user logged on	192.168.11.136			IPv4	00:1A:E8:63:DE:B8	OpenScape Desk Phone IP 550	IP Phone v
	<										>

Nadat er een toestel is aanmeld is terug te zien dat het tijdelijke "*Device-ID*", is veranderd in het "*Device-ID=Mac-id*" van het toestel. Tevens is af te lezen onder "*Mobile User*", dat er een "*Home User logged on*" is. Dit betekent het interne nummer van het vaste toestel, in dit voorbeeld 1202.

OpenScape Deployment Serv	/ice									Active Alarms	:: 7 🎲
• • ۴ 🛇 🟵	P IP	Device Configuration				Job I	D:		~	Exec Time: 🕕 asap	
DeploymentService Administration IP Devices IP Devices IP Define Configuration IP Client Configuration	Object Views	t Edit View Action He C Search Object E.164	Table Basic E.164	Mobile User	IP Address	IP Address 2	IP	IP Protocol	Device ID	Device Type	Device
IP Gateway Configuration		120			192.168.51.26			IPv4	00:01:E3:21:1B:D2	optiPoint 410 standard	IP Phone ^
IP Device Interaction		1201			192.168.11.148			IPv4	00:1A:E8:03:04:D6	OpenStage 60	IP Phone
✓ Inventory Data		1202		Home User logged on	192.168.11.106			IPv4	00:1A:E8:63:DD:9D	OpenScape Desk Phone IP 550	IP Phone
- ✓ Trash		1203			0.0.0.0				@1466585758954		IP Phone
··· ✓ IP Infrastructure		1204			192.168.11.107			IPv4	00:1A:E8:57:EC:0B	OpenStage 60	IP Phone
Mobile Users		1205			192.168.11.111			IPv4	00:1A:E8:5B:06:CD	OpenScape Desk Phone IP 350	IP Phone
B Gateways		1206			0.0.00		í —		@1466672421236		IP Phone
Software Deployment		1207		Mobile user logged on	192.168.11.100		í T	IPv4	00:1A:E8:63:DE:B6	OpenScape Desk Phone IP 550	IP Phone
Element Manager		1208			192.168.11.128			IPv4	00:1A:E8:03:04:02	OpenStage 60	IP Phone
Profile Management		1209			192.168.11.133		í —	IPv4	00:1A:E8:03:92:55	OpenStage 60	IP Phone
✓ Help		1210			192.168.11.116		í —	IPv4	00:1A:E8:3C:63:96	OpenStage 60	IP Phone
✓ Logoff admin		1211		Home User logged on	192.168.11.105			IPv4	00:1A:E8:6A:C4:DF	OpenScape Desk Phone IP 550	IP Phone
		1212			192.168.11.125		í	IPv4	00:1A:E8:3E:31:B7	OpenStage 60	IP Phone
		1213			192.168.11.126		Í	IPv4	00:1A:E8:3E:31:FF	OpenStage 60	IP Phone
		1214			0.0.0.0		í		@1466585759297	2	IP Phone
		1215			192.168.11.117		í	IPv4	00:1A:E8:58:F3:46	OpenStage 60	IP Phone
		1216		Mobile user logged on	192.168.11.136		ŕ	IPv4	00:1A:E8:63:DE:B8	OpenScape Desk Phone IP 550	IP Phone
		1217			0.0.0.0		í		@1472721202467		IP Phone
		1218		í	192.168.3.120		í	IPv4	00:1A:E8:58:3F:F9	OpenStage 60	IP Phone
		1219	1219		0.0.0.0		í —	IPv4	@1400590565280		IP Phone
		1220			192.168.11.115		ŕ	IPv4	00:01:E3:25:E8:06	OpenStage 60	IP Phone
		1221			192.168.3.32		í	IPv4	00:1A:E8:3E:77:F3	OpenStage 60	IP Phone
		1222			0.0.0.0		í		@1466503167926		IP Phone y
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				N	< <u>1</u> /	256 ►	H	Discard	Save New	Delete Export File	Refresh
1	1						-				



Op het moment dat er een nieuwe Deskshare user wordt aangemaakt in Osbiz node 3. Zien we deze terug op de DLS server.

OpenScape Deployment Serv	vice								Active Alar	ms: 7 🎲
• • 🗃 • •	IP Device Configuration				Job I	ID:		~	Exec Time: 🕕 asap	1
DeploymentService Administration P Devices	Object Edit View Action Views: O Search O Obj	Help ect								
IP Phone Configuration	E.164	Basic E.164	Mobile User	IP Address	IP Address 2	IP 1	IP Protocol	Device ID	Device Type	Device
IP Gateway Configuration	5725	5725		0.0.0.0				@1400590579725		IP Phone ^
IP Device Interaction	5726		A Home User logged on	192.168.48.33			IPv4	00:1A:E8:66:9E:00	OpenStage 60	IP Phone
✓ Inventory Data	5727	5727		0.0.0.0			IPv4	@1400590567793		IP Phone
··· ✓ Trash	5728	5728		0.0.0.0				@1400590579728		IP Phone
···· ✓ IP Infrastructure	5729	5729		0.0.0.0			IPv4	@1400590560030		IP Phone
Mabile Lisers	5731	5731		0.0.0.0				@1472655706903		IP Phone
Gateways	5765			0.0.0				@1473244845344		IP Phone
Software Deployment	5786	5786		0.0.0.0				@1472655707085		IP Phone
🖶 📙 Element Manager	5787	5787		0.0.0.0		í – i		@1472655706973		IP Phone
 Element Manager Configuration Element Manager Security 	5790		Mobile user logged on	192.168.48.23			IPv4	00:1A:E8:66:72:41	OpenStage 60	IP Phone
Profile Management	5791		Mobile user logged on	192.168.48.24			IPv4	00:1A:E8:66:9E:4D	OpenStage 60	IP Phone
Job Coordination	5792		Home User logged on	192.168.48.20			IPv4	00:1A:E8:66:71:F6	OpenStage 60	IP Phone
→ Help	5793			0.0.0.0				@1472655706236		IP Phone
Logoff admin	5794			0.0.0.0		í		@1472655706345		IP Phone
	5795		Mobile user logged on	192.168.48.32			IPv4	00:1A:E8:66:72:31	OpenStage 60	IP Phone
	5796			0.0.0.0		í		@1472655706513		IP Phone
	5797		Mobile user logged on	192.168.48.21			IPv4	00:1A:E8:66:82:53	OpenStage 60	IP Phone
	5798			192.168.48.22			IPv4	00:1A:E8:3E:76:15	OpenStage 60	IP Phone
	5800			0.0.0.0		í		@1466503169253		IP Phone
	7105			192.168.51.21			IPv4	00:01:E3:21:C1:68	optiPoint 410 standard	IP Phone
	7106			192.168.32.93			IPv4	00:1A:E8:57:EC:13	OpenStage 60	IP Phone
	7109	7109		0.0.0.0			IPv4	@1400590568075		IP Phone
	7113	7113	-i	0.0.0.0			IPv4	@1400590560338		IP Phone y
	<		P							>
			H	< 164 /	257 🕨		Discard	Save New	Delete Export File	Refresh
	J				1					

Klik voor deze gebruiker bovenin op "*Object*". De IP Device Configuratie voor 5765 wordt nu getoond. Om netwerkwijde mobile logon mogelijk te maken dient voor alle Deskshare users onder "*Autoconfiguratie*" de optie "*Use for HFA Mobility with HiPath 3000*".

OpenScape Deployment Service Device Configuration Job ID: Exec Time: Desce Descention Image: Deployment Service			Active Alar	ms: 7 🏠					
• الله الله الله الله الله الله الله الل	IP Device Co	nfiguration				Job ID:	→ Ex	ec Time: 🕕 asap	1
DeploymentService	Object Edit Vie	w Action Help							
OpenScape Deployment Service Administration P DeploymentService Administration P Devices P Devices P Device Infiguration P Device Configuration C Device Configuration P Device Configuration C Dev	Views: 🔿 Sear	rch 🖲 Object 🔿 Table							
	Object Edit Vie Views: O Sear Device ID: Device ID: Device Type: E.164: Basic E.164: Remarks: General EM Adminis Autodep Automa Preconfi PKI Licer IP Device Upr Autoconfigurati V Activat	W Action Help K Gold Diject Table 0.0.0.0 (P1473244845344 5765 5765 5765 5765 Synchronization Profile DLS Connectivit tration disabled loyment disabled loyment disabled gured IP Device nse Used date: C Di ADD C	y Secu	IP Address 2: SW Version: SW Type: Reg-Address: Reg-Number: rity State Protocol	Unify HFA 192.168.48.11 DCMP Autoconfig, IP Pf	hone Autoconfig. IP Clie	IP Protocol Mode: Device Family: Windows Account: Cloud Pin: Last Registration: nt Autoconfig. IP Gateway	IP Phone	
	Use for	HEA Mobility with HiPath 3000							
								II -	
				M	◀ 164 /	257 🕨 M Disca	rd Save New	Delete Export File	Refresh



Op het moment dat er op toestelnummer 1202 op node 1 ingelogd wordt met een toestelnummer vanuit node 3 via de mobile login code *9419, in dit voorbeeld *9419 + 5765. Zal eerst naar het toestelnummer worden gezocht op node 1, deze wordt niet gevonden, waarna er wordt gezocht op de externe DLS server. Doordat alle nummers bekend zijn op de DLS via de *"Element Manager"*, zie eerder beschreven, zal de DLS server het nummer door sturen naar het toestel waarop wordt ingelogd.

Op het vaste toestel (1202) is af te lezen in de DLS dat er op dit toestelnummer een *Mobile* User logged on" is.

OpenScape Deployment Serv	/ice								s: 7 🎲
💽 🛞 🧯 🔍 🔍	IP Device Configurat	on			Job ID	:	~	Exec Time: 🕕 asap	
DeploymentService	Object Edit View Acti Views: O Search O	on Help Object							
IP Client Configuration	E.164	Basic E.164	Mobile User	IP Address	IP Address 2	P IP Protocol.	Device ID	Device Type	Device
IP Gateway Configuration	1191	1191		0.0.0.0		IPv4	@1400590556494		IP Phone ^
IP Device Interaction	1195	1195		0.0.0.0			@1466589627426		IP Phone
✓ Inventory Data	120			192.168.51.26		IPv4	00:01:E3:21:1B:D2	optiPoint 410 standard	IP Phone
··· ✓ Trash	1201			192.168.11.148	i i i	IPv4	00:1A:E8:03:04:D6	OpenStage 60	IP Phone
✓ IP Infrastructure	1202		Mobile user logged on	192.168.11.106		IPv4	00:1A:E8:63:DD:9D	OpenScape Desk Phone IP 55	IP Phone
Mobile Users	1203			0.0.0.0			@1466585758954		IP Phone
Gateways	1204			192.168.11.107	l l	IPv4	00:1A:E8:57:EC:0B	OpenStage 60	IP Phone
B Software Deployment	1205			192.168.11.111		IPv4	00:1A:E8:5B:06:CD	OpenScape Desk Phone IP 35	(IP Phone
Element Manager	1206			0.0.0.0			@1466672421236		IP Phone
In Index Coordination	1207		Mobile user logged on	192.168.11.100		IPv4	00:1A:E8:63:DE:B6	OpenScape Desk Phone IP 55	IP Phone
- V Help	1208			192.168.11.128		IPv4	00:1A:E8:03:04:02	OpenStage 60	IP Phone
✓ Logoff admin	1209			192.168.11.133		IPv4	00:1A:E8:03:92:55	OpenStage 60	IP Phone
	1210			192.168.11.116		IPv4	00:1A:E8:3C:63:96	OpenStage 60	IP Phone
	1211		Home User logged on	192.168.11.105	l l	IPv4	00:1A:E8:6A:C4:DF	OpenScape Desk Phone IP 55	IP Phone
	1212			192.168.11.125		IPv4	00:1A:E8:3E:31:B7	OpenStage 60	IP Phone
	1213			192.168.11.126		IPv4	00:1A:E8:3E:31:FF	OpenStage 60	IP Phone
	1214			0.0.0.0			@1466585759297		IP Phone
	1215			192.168.11.117	l l	IPv4	00:1A:E8:58:F3:46	OpenStage 60	IP Phone
	1216		Mobile user logged on	192.168.11.136	l l	IPv4	00:1A:E8:63:DE:B8	OpenScape Desk Phone IP 55	IP Phone
	1217			0.0.0.0			@1472721202467		IP Phone
	1218			192.168.3.120	l l	IPv4	00:1A:E8:58:3F:F9	OpenStage 60	IP Phone
	1219	1219		0.0.0.0		IPv4	@1400590565280		IP Phone
	1220			192.168.11.115		IPv4	00:01:E3:25:E8:06	OpenStage 60	IP Phone 🗸
	<								>

Klik op "Object" voor dit toestel

OpenScape Deployment Ser	vice					Active Alarm
• • ۴ ا	IP Device Configuration				Job ID: V	Exec Time: 🕕 asap
DeploymentService	Object Edit View Action Help					
IP Devices	Views: O Search O Object O Table					
IP Phone Configuration IP Client Configuration IP Gateway Configuration	IP Address: 192.168.11.106	-	IP Address 2:		IP Protocol Mo	de: IPv4
IP Device Interaction IP Device Management	Device ID: 00:1A:E8:63:DD:9D	(Ib)	SW Version:	V3 R0.35.0	Device Family:	IP Phone
✓ Inventory Data	Device Type: OpenScape Desk Phone IP 55G		SW Type:	Unify HFA	Windows Acco	unt:
···· ✓ IP Infrastructure	E.164: 1202		Reg-Address:	192.168.11.11	Cloud Pin:	
IP Device Configuration Mobile Users	Basic E.164:		Reg-Number:	5765	Last Registration	on: 2016-09-08 10:55:07
Gateways	Remarks:					
Element Manager	General EM Synchronization Profile DLS Connec	tivity Secu	rity State Protocol	OCMP Autoconfig. IP Phone	Autoconfig. IP Client Autoconfig. IP Gate	way Archives Data
I Job Coordination ✓ Help	Administration disabled					
v Logoπ admin	Autodeployment disabled					
	Automatic Certificate Deployment disabled					
Lundman and	Preconfigured IP Device			A second	A second have	and and and

Hier is af te lezen dat "Mobile user 5765" is ingelogd op toestel 1202.