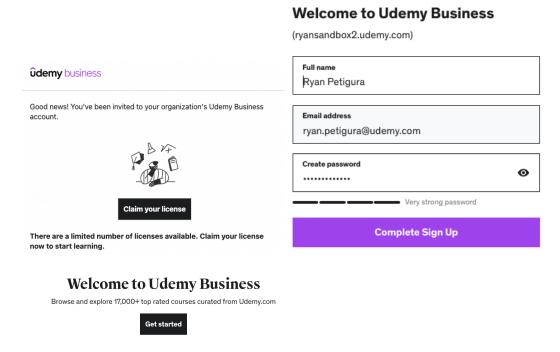
### **Udemy SSO & Provisioning**

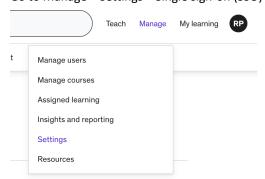
Pre-requisites: Working PingFederate with outbound provisioning enabled & external tracking database configured; SCIM Connector 1.4 deployed (just download it and copy the jar file in the /dist directory to /server/default/deploy on each node)

### Accept the email invite

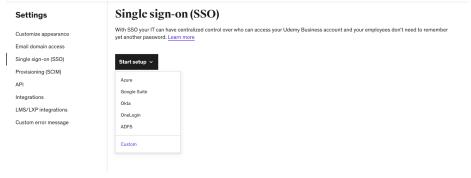


### SSO must be enabled before provisioning

Go to Manage > Settings > Single sign-on (SSO)



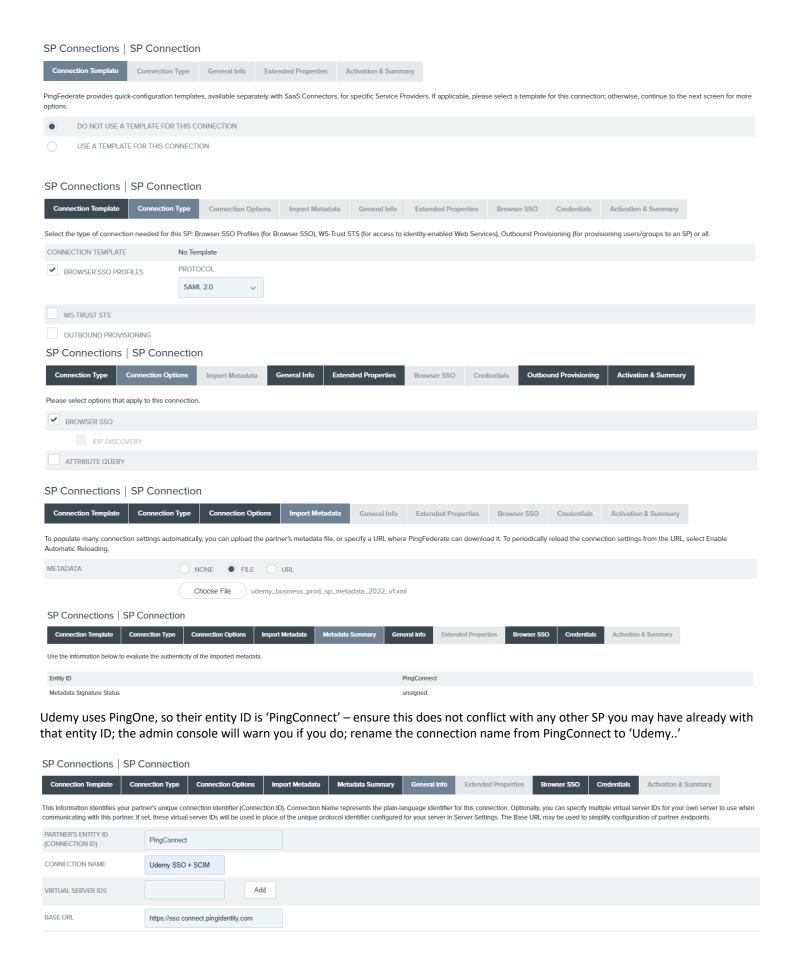
### Select 'Custom'



Configure an SP connection in PF to generate the IdP metadata (you can enable provisioning later); the easiest way to do this is to get Udemy's SP metadata from their ADFS instructions, here <a href="https://ufbsupport.udemy.com/hc/en-us/articles/115007945527">https://ufbsupport.udemy.com/hc/en-us/articles/115007945527</a>

Udemy for Business SAML Metadata for ADFS is linked here.

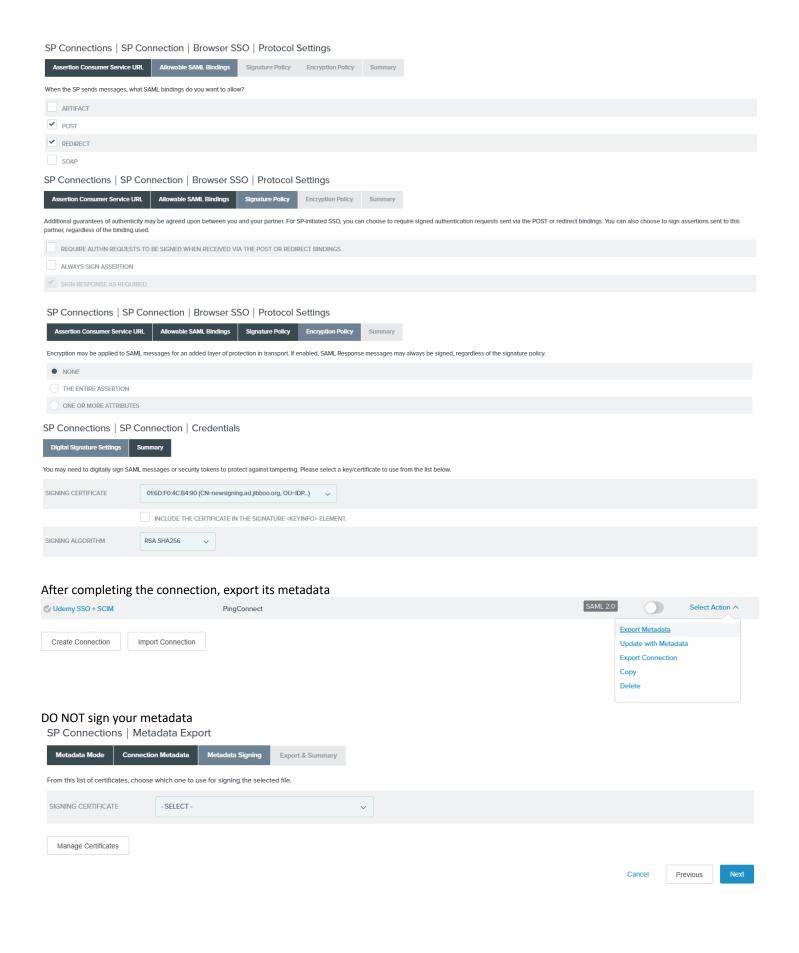
Currently the direct metadata download link is <a href="https://drive.google.com/uc?export=download&id=1GDfiRFmoXFEOUNnp">https://drive.google.com/uc?export=download&id=1GDfiRFmoXFEOUNnp</a> HVBF7CNZ5IMPmTr



### SP Connections | SP Connection

SP Connections   SP Connection					
Connection Template Connection Type Connection	ection Options Import Metadata Metadata Summary Genera	il Info E	tended Properties Browser SSO Credentials	Activation & Summary	
This task provides connection-endpoint and other configura	tion information enabling secure browser-based SSO, to resources at your pa	rtner's site. C	lick the button below to create or revise this configuration	n.	
BROWSER SSO CONFIGURATION					
DAG WOLK GOO GOW NOON MICH					
Configure Browser SSO					
SP Connections   SP Connection   Br	owser SSO				
SAML Profiles Assertion Lifetime Assertion C	Creation Protocol Settings Summary				
A SAML Profile defines what kind of messages may be excl	hanged between an Identity Provider and a Service Provider, and how the m	essages are t	ransported (bindings). As an IdP, you configure this infor	mation for your SP connection.	
Single Sign-On (SSO) Profiles		Single Logo	out (SLO) Profiles		
IDP-INITIATED SSO		IDP-IN	IITIATED SLO		
SP-INITIATED SSO		SPIN	ITIATED SLO		
SP Connections   SP Connection   Browse	er SSO				
SAML Profiles Assertion Lifetime Assertion Creation	Protocol Settings Summary				
When an assertion is issued to the SP, there is a timeframe of valid	tty before and after issuance. Please specify these parameters below.				
	. ,				
MINUTES BEFORE 5					
MINUTES AFTER 5					
SP Connections   SP Connection   Browse	er SSO				
SAML Profiles Assertion Lifetime Assertion Creation	Protocol Settings Summary				
This task provides the configuration for creating SAML assertions to	a enable SSO access to resources at your SP partner's site.				
Assertion Configuration  IDENTITY MAPPING Standard					
ATTRIBUTE CONTRACT SAML_SUBJECT					
ADAPTER INSTANCES 0					
AUTHENTICATION POLICY 0					
MAPPINGS					
Configure Assertion Creation					
SP Connections   SP Connection   Browse	er SSO   Assertion Creation				
Identity Mapping Attribute Contract Authentication	Source Mapping Summary				
Identity mapping is the process in which users authenticated by the to a specific local account.	e IdP are associated with user accounts local to the SP. Select the type of name Identit	er that you wil	send to the SP. Your selection may affect the way that the SP	will look up and associate the user	
STANDARD: Send the SP a known attribute value as the	e name Identifier. The SP will often use account mapping to Identify the user locally.				
	entifier that preserves user privacy. The identifier cannot be traced back to the user's ic	entity at this Id	P and may be used by the SP to make a persistent association	between the user and a specific	
local account. The SP will often use account linking to it	Jentify the user locally.				
INCLUDE ATTRIBUTES IN ADDITION TO THE PSEUDONYM.					
TRANSIENT: Send the SP an opaque, temporary value as the name identifier.					
INCLUDE ATTRIBUTES IN ADDITION TO THE TRANSIENT IDENTIFIER.					
'email' is a required attribute; the rest are optional, but you will likely want them  SP Connections   SP Connection   Browser SSO   Assertion Creation					
Identity Mapping Attribute Contract Authentication Source Mapping Summary					
An Attribute Contract is a set of user attributes that this server will send in the assertion.					
An attribute Contract is a set of user attributes that this server will s	send in the assertion.  Subject Name Format				
SAML_SUBJECT	um:oasis:names:tc:SAML:1:nameid-format:unspecified	'			
Extend the Contract	Attribute Name Format			Action	
displayName	um:oasis:names:tc:SAML:2.0:attrname-format:basic			Edit I Delete	
email	urn:oasis:names:tc:SAML:2.0:attrname-format:basic			Edit I Delete	
firstName	urn:oasts:names:tc:SAML:2.0:attrname-format:basic			Edit   Delete	
groups	um:oasis:names:tc:SAML:2.0:attrname-format:basic um:oasis:names:tc:SAML:2.0:attrname-format:basic			Edit I Delete Edit I Delete	
lastName	uniora sia. Harries. tt., SAMIL. z. v. attiname-format. Dasic			Luit i Delete	
	um:oasis:names:tc:SAML:2.0:attrname-format:basic			Add	

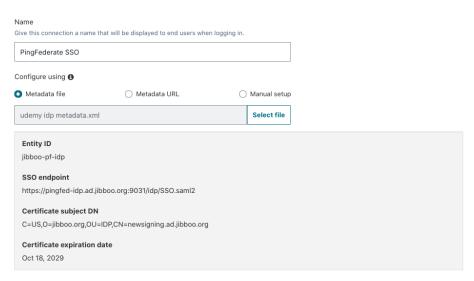
#### SP Connection | SP Connection | Browser SSO | Assertion Creation | Authentication Policy Mapping Authentication Policy Contract Mapping Method Attribute Contract Fulfillment Issuance Criteria Summary Select a authentication policy contract that may be used to authenticate users for this partner. Attributes returned by the authentication policy contract you choose may be used to fulfill the Attribute Contract with your partner. AUTHENTICATION POLICY CONTRACT BaseContract Contract Attributes approle department firstname IsInternal lastname memberOf subject telephoneNumber username userPrincipalName SP Connection | SP Connection | Browser SSO | Assertion Creation | Authentication Policy Mapping Attribute Contract Fulfilln Issuance Criteria Fulfill your Attribute Contract with values from the authentication policy contract or with dynamic text values. Attribute Contract Actions Source SAML\_SUBJECT Authentication Policy Contract None available emall #first = #this.get("firstname"), #last = #this.get("lastname"), #display = (#first + " " + #last) Expression displavName Edit Authentication Policy Contract email None available email firstName Authentication Policy Contract None available Authentication Policy Contract None available aroups memberOf lastName Authentication Policy Contract None available SP Connections | SP Connection | Browser SSO Protocol Settings This task provides the configuration for creating SAML assertions to enable SSO access to resources at your SP partner's site. Assertion Configuration IDENTITY MAPPING ATTRIBUTE CONTRACT SAML\_SUBJECT, displayName, email, firstName, groups, lastName ADAPTER INSTANCES AUTHENTICATION POLICY Configure Assertion Creation SP Connections | SP Connection | Browser SSO | Protocol Settings Allowable SAML Bindings Artifact Resolver Locations Signature Policy Encryption Policy Summary As the IdP, you send SAML assertions to the SP's Assertion Consumer Service. The SP may request that the SAML assertion be sent to one of several URLs, via different bindings. Please provide the possible assertion consumer URLs below and select one to be the Endpoint URL Default Index Binding Action default 0 POST /sso/sp/ACS.saml2 Edit | Delete - SELECT -Add



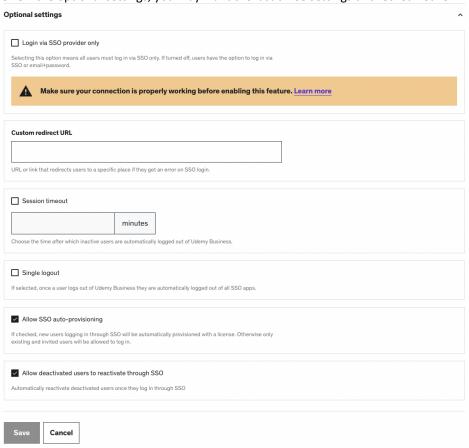
### Import the metadata in the Udemy SSO settings

### Single sign-on (SSO)

With SSO your IT can have centralized control over who can access your Udemy for Business account and your employees don't need to remember yet another password. Learn more



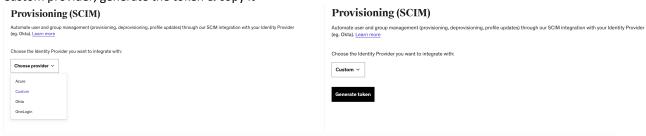
Review the optional settings; you may want the last three settings unchecked - Save



### **Start the Provisioning setup**



### Custom provider, generate the token & copy it



### **Provisioning (SCIM)**

Automate user and group management (provisioning, deprovisioning, profile updates) through our SCIM integration with your Identity Provider (eg. Okta). Learn more

Choose the Identity Provider you want to integrate with:

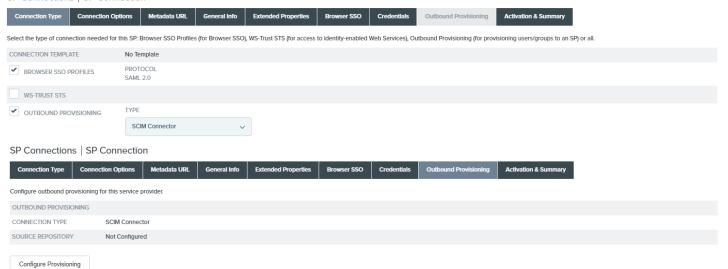


Expiration: Nov 17, 2024

Regenerate credentials

### Open the SP connection and enable Outbound Provisioning, choose 'SCIM Connector'

SP Connections | SP Connection

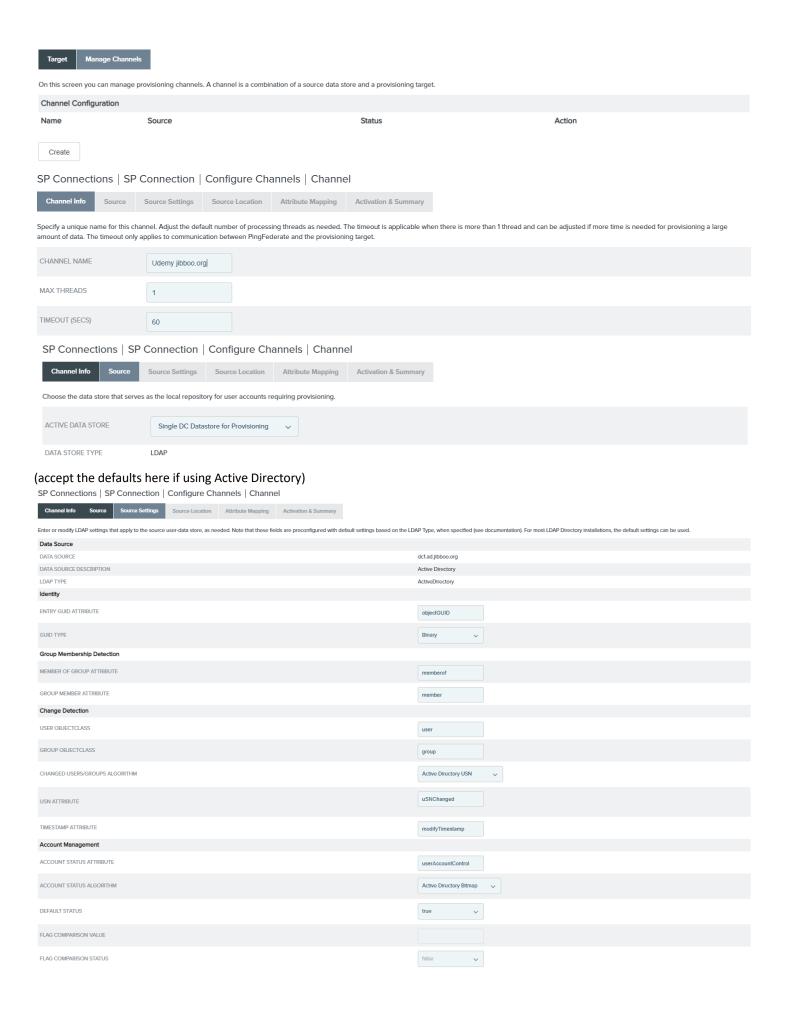


### SP Connections | SP Connection | Configure Channels



Specify credentials and/or other connection details that PingFederate will use to access the target service provider for outbound provisioning.

Provisioning Target	SCIM Connector	
SCIM URL	https://salpingsandbox.udemy.com/scim/v2	
SCIM VERSION	2.0	
AUTHENTICATION METHOD	OAuth 2 Bearer Token  V	
BASIC AUTHENTICATION		
USERNAME		
PASSWORD		
OAUTH 2 BEARER TOKEN		
ACCESS TOKEN		
OAUTH 2 CLIENT CREDENTIALS		
TOKEN REQUEST ENDPOINT		
CLIENT ID		
CLIENT SECRET		
SCIM OVERRIDES		
UNIQUE USER IDENTIFIER	workEmail	
FILTER EXPRESSION		
AUTHORIZATION HEADER TYPE		
USERS API PATH	/Users	
GROUPS API PATH	/Groups	
RESULTS PER PAGE	1000	
PROVISIONING OPTIONS		
	✓ USER CREATE	
	✓ USER UPDATE	
	✓ USER DISABLE / DELETE	
	PROVISION DISABLED USERS	
REMOVE USER ACTION	Disable	
GROUP NAME SOURCE	Common Name 🗸	
	✓ USE PATCH FOR GROUP UPDATES	



#### SP Connections | SP Connection | Configure Channels | Channel Attribute Mapping Activation & Summary Enter the Base DN where user records are located in the data store, and specify either an LDAP Filter or Group DN. BASE DN dc=ad,dc=jibboo,dc=org Users GROUP DN CN=UdemyProvUsers,OU=JibbooAccounts, NESTED SEARCH FILTER Groups GROUP DN CN=UdemyProvGroups,OU=JibbooAccounts NESTED SEARCH FILTER (I left this with the defaults) SP Connections | SP Connection | Configure Channels | Channel Source Settings Attribute Mapping Channel Info Source Source Location Activation & Summary Edit the mapping of attributes from the local data store into Fields specified by the service provider. The Refresh Fields button queries the target partner to update Fields and specifications. Field Name Attribute(s) Expression Default Action workEmail - mail Edit userName\* - sAMAccountName Edit certificates Edit costCenter Edit - department department Edit displayName - displayName Edit Edit - division division employeeNumber Edit entitlements externalld - objectGUID familyName Edit faxPhone - facsimileTelephoneNumber Edit formattedName Edit givenName - givenName Edit

### SP Connections | SP Connection | Configure Channels | Channel

Chamierino	Source	Source Settings	Source Location	Attribute mapping	Activation a Summary
Summary informatio	on for this provis	sioning channel. Clic	ck a heading in a section	on to edit a particular co	configuration setting. You can also activate or deactivate the channel, or reset provisioning synchronization if needed.
Channel Status		<ul><li>ACTIVE</li></ul>	INACTIVE		

#### You should see successful provisioning entries in the provisioner.log

```
13:00:48,619 DEBUG [ProvisionerSDKPlugin] + getUser() []
13:00:48,635 INFO [ProvisionerSDKPlugin] Using workEmail: [trey@jibboo.org] for getUser() []
13:00:49,056 INFO [ProvisionerSDKPlugin] User [trey@jibboo.org] was not found in target []
13:00:49,056 DEBUG [ProvisionerSDKPlugin] - getUser() []
13:00:49,056 DEBUG [ProvisionerSDKPlugin] + createUser() []
13:00:49,729 INFO [ProvisionerSDKPlugin] User was successfully created in target []
13:00:49,729 DEBUG [ProvisionerSDKPlugin] - createUser() []
13:00:50,136 DEBUG [JdbcGroupStore] Provisioning groups to SP - 1st phase: channel=10 [] Channel: channel10
13:00:50,150 DEBUG [ProvisionerSDKPlugin] + getGroup() []
13:00:50,463 INFO [ProvisionerSDKPlugin] Group [UdemyGroupInfoSys] was not found in target []
13:00:50,463 DEBUG [ProvisionerSDKPlugin] - getGroup() []
13:00:50,463 DEBUG [ProvisionerSDKPlugin] + createGroup() []
13:00:51,167 INFO [ProvisionerSDKPlugin] Group was successfully created in target []
13:00:51,167 DEBUG [ProvisionerSDKPlugin] + updateGroup() []
13:00:51,167 DEBUG [ProvisionerSDKPlugin] + getCplGroupWithMembers() []
13:00:51,181 DEBUG [ProvisionerSDKPlugin] Preparing to add User with id [ek1Rmy] to Group [UdemyGroupInfoSys]. []
13:00:51,181 DEBUG [ProvisionerSDKPlugin] - getCplGroupWithMembers() []
13:00:52,292 INFO [ProvisionerSDKPlugin] Group was successfully updated in target []
13:00:52,292 INFO [ProvisionerSDKPlugin] User with id [ek1Rmy] was added to the Group [UdemyGroupInfoSys] []
13:00:52,292 DEBUG [ProvisionerSDKPlugin] - updateGroup() []
13:00:52,292 DEBUG [ProvisionerSDKPlugin] - createGroup() []
```

### ...and see the users and groups in the Udemy console:

### All users

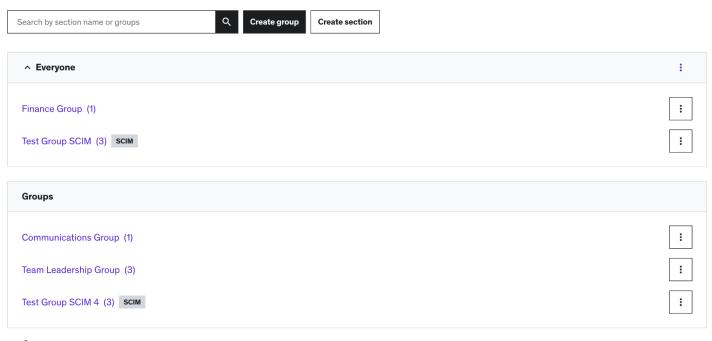
All users who have joined your account. Includes deactivated users. Learn more



Name	Role	Groups	Enrollments
David Vaughan david.vaughan@udemy.com	User	Not in a group	0 :
RP Ryan Petigura ryan.petigura@udemy.com	Admin	Not in a group	4
RP Ryan Petigura ryan.petigura@udemyscim.com	User	Not in a group	0 :
Victor Liu victor.liu@udemyscim.com	User	Not in a group	1 :

## Manage groups

Organize learners into teams, learning programs and projects using groups. Learn more



# **Finance Group**

