### FDSA - Web Hooks

### What does the Web Hook do?

- In FDSA you can add an API URL in the Web Hook settings.
- If an API URL is added, FDSA will automatically forward Data Access Requests to that URL.
- This option enables data owners to easily integrate their own data access Approve/Reject services.
- Data owners can use the FDSA DAR Review API to push their approval/rejection back to FDSA once their internal process is completed.

### How to add a Web Hook in FDSA

- Go to the Settings tab in your FDSA.
- Click on 'Add Web Hook' on the 'Data Access Requests Web Hook Configuration'. See image below.

FDS	A Protected Data Draing / potence				(Q) superadmin@exam
III Dashboard Access Requests	Settings Data SMTP	Organization Info Registries	Advanced Settings		
Tasks မြေန ပြာers နိုင်ငံနိုင် Admin Settings	License Web Hook Tokens Whitelists ^ Keycloak	Data Access Request Web Hook FDSA will automatically forward the Data Acces DatA Approx/Pileject AP1 (TOUR FDBA)/up/adm documentation URL Date Cre	t a Request psyload to the webhook configured on this page nn/VLD/data-access-requests/(request_d)/eview to push seted	This option enables data owners to easily integrate their approval/rejection back to FDSA once their int Last Updated	her own Data Access Approve/Reject services. Data owners will use the FDBA mail process is completed. Details for this feature are found in the AD Connect Actions
Heip Center	DARs API Common API Admin	+ Add Web Hook		No web hook added yet	
Once	e you add i	it, you will see so	omething like in the	e image below.	

Data Access Request Web Hook

DSA will automatically forward the Data Access Request payload to the website of Gragued on this page. This option enables data eveness to easily integrate their own Data Access Request Reports Report and the PDSA Mark Approver/Reject AP (TOUR FDSA)/api/admin/v10.04ata-access-requests/(request_id)/review to push their approver/rejection back to FDSA once their internal process is completed. Details for this feature are found in the AD Connec commentation							
URL	Date Created	Last Updated	Actions				
https:///dsa-uat.fdsa-temp.com/web_hook_endpoint	Aug 27, 2024, 7:20:16 PM	Not updated yet	:				

- Under 'Actions' you can also 'Edit' or 'Delete' this URL.
- Note that the endpoint **must be a POST API** so FDSA can send the payload there.

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# Federated Data Sharing Appliance Full Guide DAR Payload sent to the Web Hook endpoint.

These are the payloads (json format) that the FDSA will send to the POST Web Hook API endpoint. The only difference between the two DAR payloads is in the 'scopes' key-value.

### Level 1 DAR Example:

{

}

```
"id": "XXX-XXX",
"requester_name": "level2",
"requester_name": "level2",

"requester_email": "level2@email.com",

"start_date": "2022-04-27T20:59:16.210505",

"end_date": "2024-11-27T20:59:16.210505",

"status": "RECEIVED",

"project_description": "We want to start a scientific study...",

"program": "Scientific reasonab"
 "purpose": "Scientific research",
"project_code": "project_level2",
"user_origin_ip": "<IP address the user will access the API from (optional)>",
"delivery_url": "<URL to deliver access parameters back to (optional)>",
"user_source_url": "<URL to page detailing the request (optional)>",
"dataset_id": 1,
"dataset_code": "sample1",
"scopes": "can_validate,can_select,can_beacon",
"reference": "project_level2",
"request_url": "<URL to page detailing the request (optional)>",
"reques
"form": {
"form": [
{
                          {
                                        "name": "name_1",
                                        "value": 1
                           },
                           {
                                        "name": "name_2",
"value": "text"
                          }
             ]
},
"created_at": "2023-02-07T16:22:29.568937",
"updated_at": null
```

### Level 2 DAR Example:

{

}

```
"id": "XXX-XX",
"requester_name": "level2",
"requester_email": "level2@email.com",
"start_date": "2022-04-27T20:59:16.210505",
"end_date": "2024-11-27T20:59:16.210505",
"status": "RECEIVED",
"project_description": "We want to start a scientific study...",
"project_description". We want to start a scientific study...,
"purpose": "Scientific research",
"project_code": "project_level2",
"user_origin_ip": "<IP address the user will access the API from (optional)>",
"delivery_url": "<URL to deliver access parameters back to (optional)>",
"user_source_url": "<URL to page detailing the request (optional)>",
"dataset_id": 1,
"dataset_code": "sample1",
"scopes": "can_compute",
"reference": "project_level2",
"request_url": "<URL to page detailing the request (optional)>",
"form": {
"form": [
                         {
                                       "name": "name_1",
"value": 1
                         },
{
                                       "name": "name_2",
"value": "text"
                         }
            ]
},
"created_at": "2023-02-07T16:22:29.568937",
"updated_at": null
```

### Federated Data Sharing Appliance Full Guide How to use the DAR Review API to Approve/Reject a DAR

1. Create a new Administrator in FDSA and configure it.

Go to the FDSA Users tab and add the webhook user

Dashboard	Users There are two primary user groups in FDBA. Administrators and Researchers. Administrators and Researchers are automatically be a Administrators Researchers Inactive Users All	rators belong to the data owner organization. Administrators are resided to FDSA any time a Data Access Request Is approved for them	iponsible for reviewing ep. n.	Add a user Emai Addres* webbook@use.com Role* Administrator				
Admin Settions	Email	Role	Created					
oo aa ga	fdsaautomationuser@gmail.com newman.admin@test.com	Administrator	26 Aug 2024 22 Aug 2024	Add User				
Help								
Center								
Contact Us								

As a **root** user, login into the Keycloak UI and click on Administration Console

<b>MIKEYCLOAK</b>			
Welcome to <b>Keycloak</b>			
Administration Console >	Documentation > User Guide, Admin REST API and Janadocs	🕼 Keycloak Project >	
		☑ Mailing List >	
		🏦 Report an issue >	

Federated Data Sharing Appliance Full Guide Now click on the Users Tab, and then in the webhook user just created:

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Master 👻	Users	in more 尾				
Manage Clients	User list Permissions					
Client scopes	Q, Search user 🔶 Add u	Delete user			1-7 - (	>
Realm roles Users	Username	Email	Last name	First name	Status	
Groups Sessions	andres9629egmail.com	andres9629@gmail.com     fair@aridhla.com	Lagos Ruiz -	Andres Felipe	-	:
Events	awrence.setien@evalueserve.com superadmin	lawrence.setien@evalueserve.com     superadmin@example.org	-	2	-	:
Configure	task_worker	● testonel@test.com	Worker	Task	1.0	:
Realm settings Authentication	test webhook	test@email.com     webhook@email.com	-	-	-	:
Identity providers User federation					1-7 - <	>

Set the email as verified and remove the 'Required user actions': 'Configure OTP' and 'Update Password'. The screen should look like this:

			💿 superadmin 🕶 😩
Master •	Users > User details		
	webhook		Action 👻
Manage	Detaile Attribute	e Cradantiala Dalamanalan Conune Consente Udantitu arauldar liaka Sasalaan	
Clients	Details	Credentialis Role mapping Groups Consents Identity provider links Sessions	
Client scopes			
Realm roles	ID *		
Users	Created at 1	7/7/2024 2:20:28 DM	
Groups	created at	2/1/2024, 3-3-30 FM	
Sessions	Username *	webhook	
Events	Email	webhook@email.com	
Configure	Email verified ③	On On	
Realm settings	First name		
Authentication			
Identity providers	Last name		
User federation	Enabled ⑦	On On	
	Required user actions	Select action 👻	
	0		
		Save Revert	

Next go to the **'Credentials'** tab and click on **'Reset password'**, make sure to add a very strong password and unselect the **'Temporary'** option. Save and confirm.

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Master 👻	Uten > User details		
Manage	webhook		Action •
Clients	Details Attributes Credentials Ro		
Client scopes			Credential Reset
Reaim roles	© Туре	Dista	
Users	II Password	Reset password for webhook ×	Reset password
Groups		Password *	
Sessions			
Events		New password &	
Configure		Temporary () Off	
Realm settings		Save Cancel	
Authentication			
Identity providers			
User federation			

### 2. Get the new Administrator token

To get an admin token you need to execute the /authorize API. Below you can see an example on how to call it.

Header required: Content-Type: multipart/form-data. For username and password, use the webhook user credentials.

POST	POST v (IBASE_URL)/autorize						*	
Params	Parama Authorization Headers (II) <b>Body</b> + Pre-request Script Tests + Settings							
non	9 none Storm-data & x-www-form-untercoded & raw Dinkry & GraphOL							
	username		webhook					
	password							
Body C								
Pretty								
1								
2 **ffset, team : * **ffset, team : *								
3	3 "expires_in": 2592/000,							
4	"fdsa version": "v1.2.121"							
6								

### 3. Execute the DAR /review API

In the images below you can find an example on how to use the /review API.

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POST <th>Send ~</th>	Send ~							
Params Authorization • Headers (9) Body • Pre-request Script Tests • Settings	Cookies							
Type Bearer Token ~ Token ((admin_token))								
The authorization header will be automatically generated when you send the request. Learn more about <u>Bearer Token</u> authorization.								
POST v ((BASE_URL))/apl/admin/v1.0/data-access-requests/((request_uuid))/review	Send 🗸							
Params Authorization • Headers (9) Body • Pre-request Script Tests • Settings	Cookies							
🔵 none 🜑 form-data 🕘 x-www-form-urfencoded 🛛 🍯 raw 🌑 binary 🜑 GraphQL JSON 🗸	Beautify							
<pre>1 { 2 ····*reviewer_uuid*:~*ffuser_uuid}}*, 3 ····*decision*: "APPROVED*, 4 ····*reason*: "ok*, 5 ····*id*:~*f[request_uuid]}*, 6 ····*trusted*: false 7 }</pre>								

### Required Headers:

- Authorization: Bearer <admin\_token>
- Content-Type: application/json

**Required Variables:** 

- admin\_token (string): The refresh\_token value returned on the /authorize API
- id/request\_uuid (string): The uuid of the DAR, you will receive in the Web Hook API URL
- decision (string): APPROVED / DENIED
- reason (string). The reason why this was APPROVED or DENIED
- reviewer\_uuid/user\_uuid (string): The Admin UUID that is Approving or Denying the DAR. You can find this UUID by decoding the refresh\_token ('sub' value), copying it from the FDSA UI (if it's not the superadmin), or by copying it from the Keycloak UI.
- trusted (boolean): true / false. If it's true, then all tasks generated from this DAR will go straight to COMPLETE, without needing a review first.

## Contact Support

For any support requests or inquiries, please do not hesitate to contact us at <u>fdsa.support@alzheimersdata.org</u>.