**VSP Termin 1**

Installed curl on ssh Container

Socat

In SSH Container:

Discover Blackboard

socat - UDP-LISTEN:24000,crlf

accepting UDP connection from AF=2 172.19.0.3:34589

{"blackboard\_port":5000}

unter der IP gefundene Anweisungen:

{

"definitions": {},

"info": {

"title": "Cool product name",

"version": "0.0.0"

},

"paths": {

"/blackboard/deliverables/{id}": {

"get": {

"description": "",

"responses": {},

"summary": "Details about a single deliverable",

"tags": [

"deliverable"

]

}

},

"/blackboard/deliveries": {

"get": {

"description": "",

"responses": {},

"summary": "Lists the deliveries",

"tags": [

"delivery"

]

}

},

"/blackboard/deliveries/{id}": {

"get": {

"description": "",

"responses": {},

"summary": "Details about a single delivery",

"tags": [

"delivery"

]

}

},

"/blackboard/quests": {

"get": {

"description": "",

"responses": {},

"summary": "Lists the quests available",

"tags": [

"quests"

]

}

},

"/blackboard/quests/{id}": {

"get": {

"description": "",

"responses": {},

"summary": "Shows details about the quest",

"tags": [

"quest"

]

}

},

"/blackboard/quests/{id}/deliveries": {

"get": {

"description": "<br/>To solve a quest one has to post the quest token as<br/><br/>{\"token\":\"<token>\"}<br/><br/>Solving quests requires authentication.",

"responses": {},

"summary": "Deliveries are the prove that a quest has been solved.",

"tags": [

"task"

]

},

"post": {

"description": "<br/>To solve a quest one has to post the quest token as<br/><br/>{\"token\":\"<token>\"}<br/><br/>Solving quests requires authentication.",

"responses": {},

"summary": "Deliveries are the prove that a quest has been solved.",

"tags": [

"task"

]

}

},

"/blackboard/quests/{id}/tasks": {

"get": {

"description": "",

"responses": {},

"summary": "Lists the tasks to be fulfilled to solve the quest",

"tags": [

"task"

]

}

},

"/blackboard/tasks/{id}": {

"get": {

"description": "",

"responses": {},

"summary": "Details about a single task",

"tags": [

"task"

]

}

},

"/map": {

"get": {

"description": "",

"responses": {},

"summary": "Your friendly map, telling you where locations are found",

"tags": [

"location"

]

}

},

"/map/{name}": {

"get": {

"description": "<br/>Locations do update itself. Do not try to update them. You don't know the key ;)",

"responses": {},

"summary": "Information about a location on the map",

"tags": [

"location"

]

},

"put": {

"description": "<br/>Locations do update itself. Do not try to update them. You don't know the key ;)",

"responses": {},

"summary": "Information about a location on the map",

"tags": [

"location"

]

}

},

"/users": {

"get": {

"description": "Lists the available users of the system.<br/>You may register yourself with a post of {\"name\":\"<name>\", \"password\":\"<password>\"}",

"responses": {},

"summary": "The list of users",

"tags": [

"users"

]

},

"post": {

"description": "Lists the available users of the system.<br/>You may register yourself with a post of {\"name\":\"<name>\", \"password\":\"<password>\"}",

"responses": {},

"summary": "The list of users",

"tags": [

"users"

]

}

},

"/users/{name}": {

"get": {

"description": "",

"responses": {},

"summary": "Shows details about a single user",

"tags": [

"user"

]

}

},

"/users/{name}/encryption\_key": {

"get": {

"description": "This will provide information about the encryption key used when<br/>comminicating in passwordless mode (hopefully soon to come)<br/>User has to be authenticated by basic auth to use this resource.",

"responses": {},

"summary": "Gives the users encryption key.",

"tags": [

"user"

]

}

}

},

"swagger": "2.0"

}

USER Created!

{

"encryption": {

"HMACK": "sha256",

"algorithm": "AES",

"encryption": "Fernet",

"key": "h4KJ5fltfnIfcWZNgLo8LtHXffnR9U3Bux4eADGTalA=\n",

"key\_encoding": "base64",

"keylength": "128",

"mode": "CBC",

"padding": "PKCS7"

},

"message": "Created User",

"object": [

{

"\_links": {

"encryption\_key": "/users/Jaume/encryption\_key",

"self": "/users/Jaume"

},

"deliverables\_done": [],

"delivered": [],

"ip": null,

"location": null,

"name": "Jaume"

}

],

"status": "success"

}

Get /login mit Basic Auth

{

"message": "Welcome. To use your token set header 'Authorization:Token <tokenvalue>'",

"token": "Z0FBQUFBQlo1eURJT0FEMDNmZTlzTTRWVEdObVlpbXhUNVlfTXRDSk1vUUpHTkNQajBYRzNMSUl0a1hacHhPbFl3Y1VQWkwzS1AwdnJaU2RqRWktQ3VjRVNOSGo3TDF0TlJ6Wk5kY05ScXdOVFQ2Y1N3YWdxcnBzMl81c0VqSjQxbjVDbmxzM09qYzIxdHk4emNuSG5XYXdEaEVOWGVzZ1ZnPT0=",

"valid\_till": 1508348232.759316

}

WE ARE AUTHENTICATED

{

"message": "You are authenticated",

"user": {

"\_links": {

"encryption\_key": "/users/Jaume/encryption\_key",

"self": "/users/Jaume"

},

"deliverables\_done": [],

"delivered": [],

"ip": null,

"location": null,

"name": "Jaume"

}

}