



Cloud Development, 2021 fall. Homework 6

Report

Azure Logic apps

made by Zhuman Rakhat

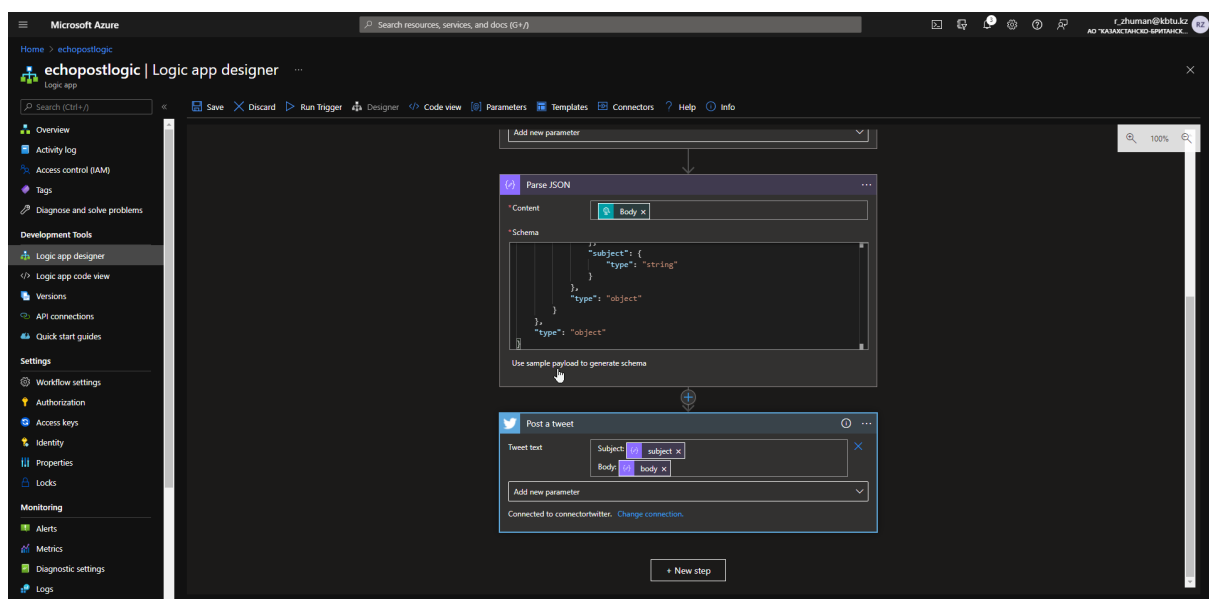
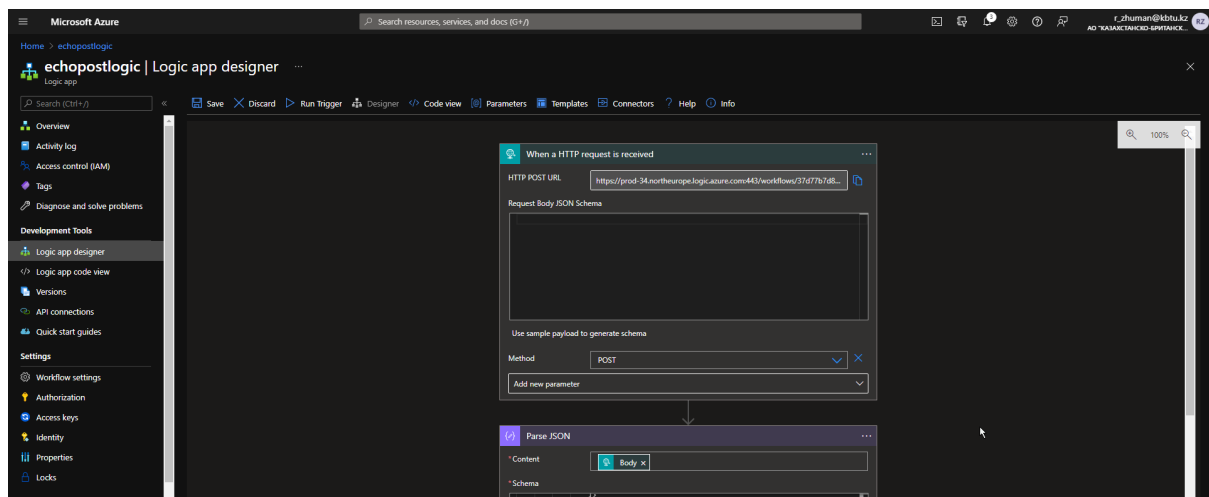
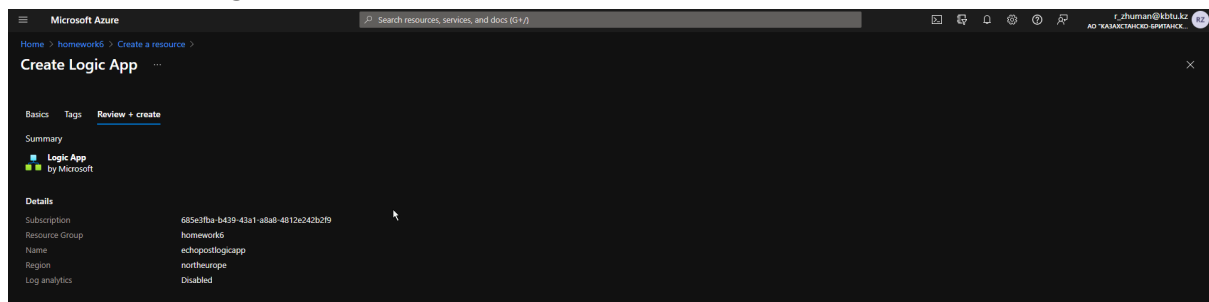
Almaty 2021

Task

- ✓ You need to create a simple web app, that triggers an Azure Logic App,
- ✓ which has to publish a post in Twitter and/or Facebook.
- ✓ A Body and a subject of the post should be provided by the calling web app in a body of a request.

Report

Create Azure Logic App



Record the url of trigger

Create a simple web app

```
JS index.js X
1 require('dotenv').config();
2 var express = require('express');
3 const path = require('path');
4 const bodyParser = require('body-parser');
5
6 const posts = require('./routes/posts');
7
8 const app = express();
9
10 app.set('view engine', 'ejs');
11 app.set('views', path.resolve(__dirname, 'ejs'));
12
13 app.use(express.static(path.resolve(__dirname, 'static')))
14 app.use(bodyParser.urlencoded({ extended: false }));
15 app.use(bodyParser.json());
16
17 app.use('/post', posts);
18
19
20 const PORT = process.env.PORT ?? 3000
21
22 app.listen(PORT, () => {
23   console.log("Server has been started on port ${PORT}...")
24 })
```

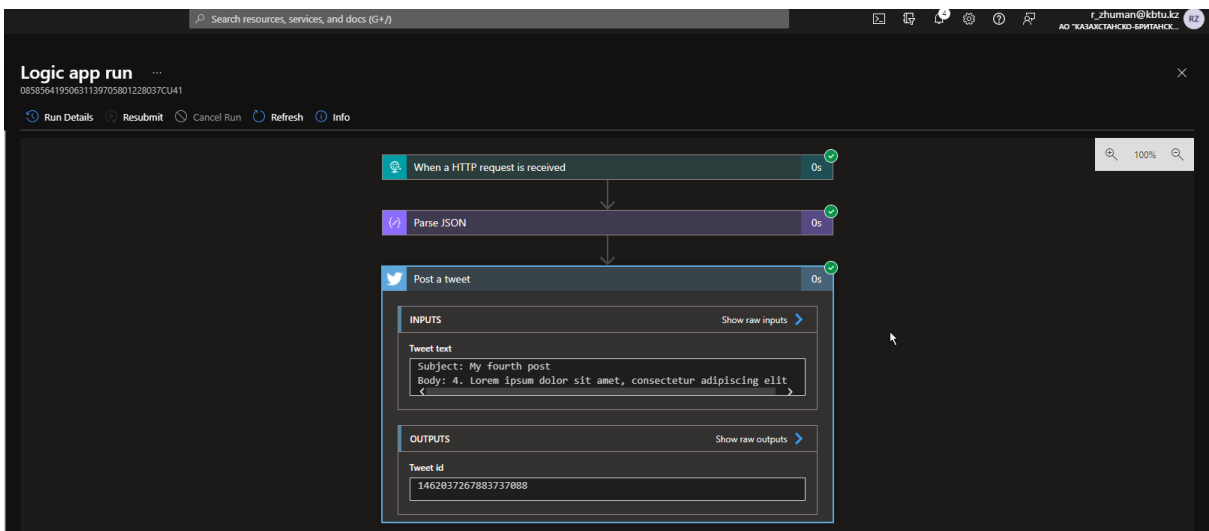
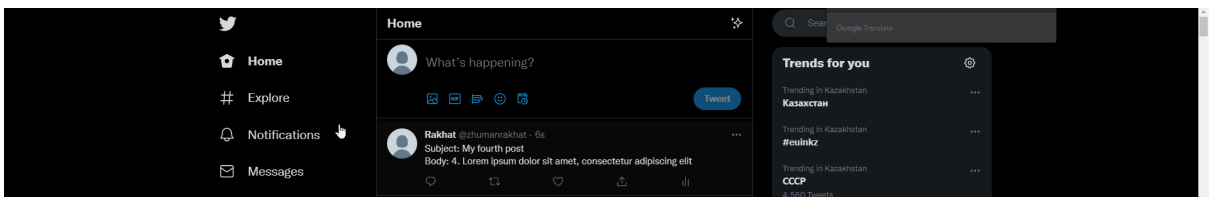
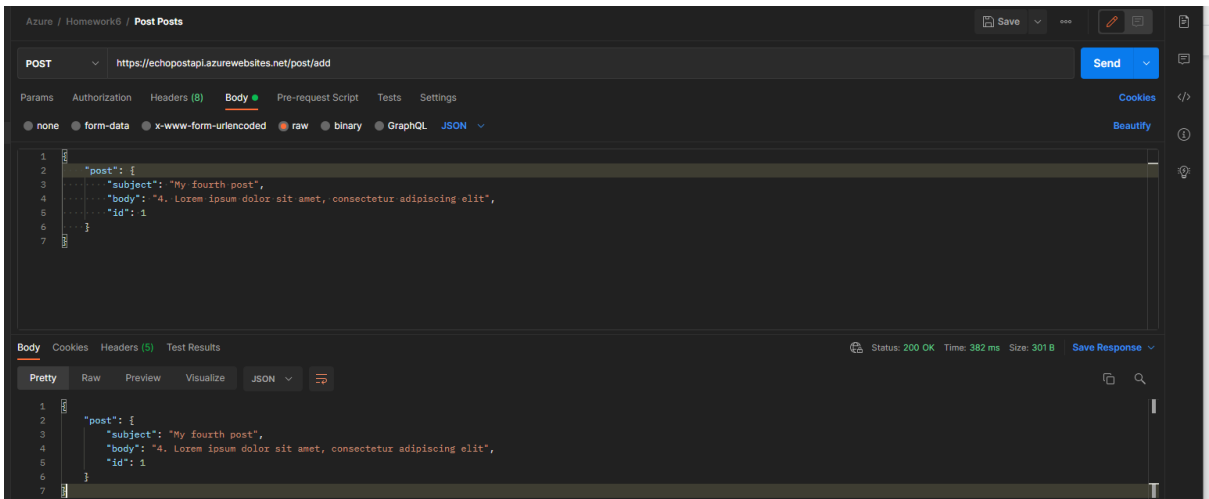
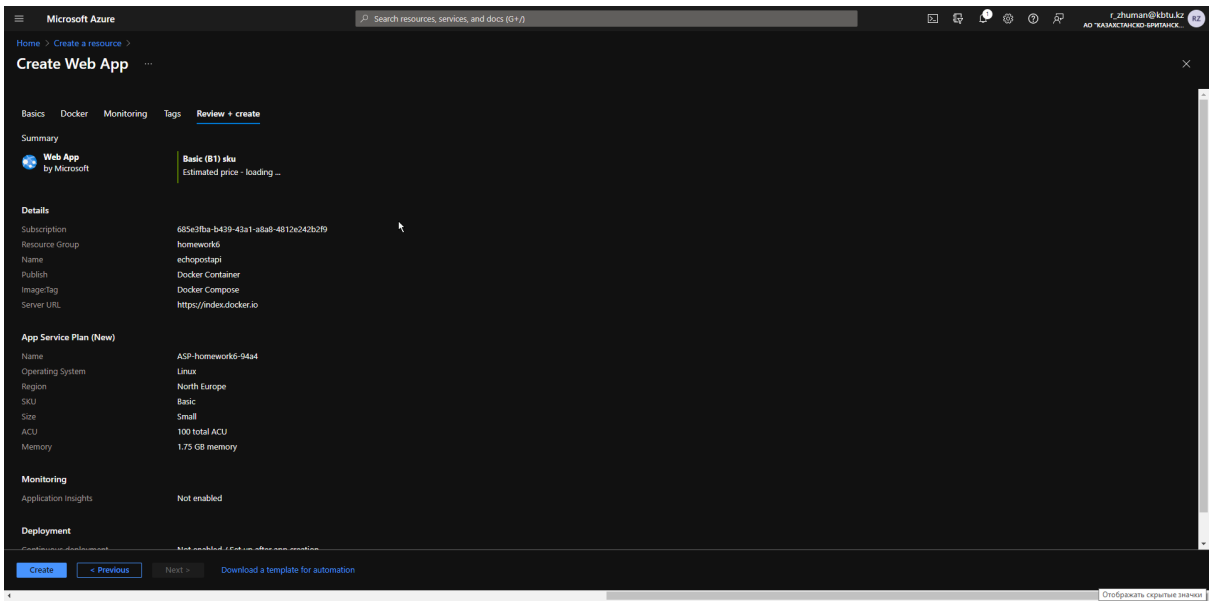
Paste recorded url of trigger

```
JS index.js {} posts.json JS posts.js X docker-compose.yml
1 var express = require('express');
2 var router = express.Router();
3 var fs = require('fs');
4 const path = process.cwd() + '/restapi/'
5 const axios = require('axios')
6
7 router.get('/list',
8   async function (req, res) {
9     fs.readFile(path + "posts.json", 'utf8', function (err, data) {
10       res.json( JSON.parse(data) );
11     });
12   }
13 );
14
15 router.post('/add',
16   async function (req, res) {
17     const body = req.body;
18     axios.post('https://prod-34.northeurope.logic.azure.com:443/workflows/37d77b7d89e04cd6a08c43e9b42b6fd/triggers/manual/paths/invoke?api-version=2016-10-01&sp=X2Ftriggers%2Fmanual%2Frun&...', body);
19     res.json(body);
20   }
21 );
22
23
24 module.exports = router;
```

```
JS index.js {} posts.json X
1 {
2   "post1": {
3     "subject": "My first post",
4     "body": "1. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.",
5     "id": 1
6   },
7   "post2": {
8     "subject": "My second post",
9     "body": "2. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.",
10    "id": 2
11  },
12  "post3": {
13    "subject": "My third post",
14    "body": "3. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.",
15    "id": 3
16  }
17 }
```

```
JS index.js Dockerfile X
1 FROM node:14-alpine
2
3 WORKDIR /usr/src/app
4
5 COPY . /usr/src/app
6
7 RUN npm install
8
9 EXPOSE 3000
10
11 CMD ["npm", "start"]
```

```
JS index.js docker-compose.yml X
1 version: "3.0"
2
3 services:
4   app:
5     image: zethuman/fakeapi:latest
6     ports:
7     - 3000:3000
```



Cleaning up subscription

```
Bash
Requesting a Cloud Shell.Succeeded.
Connecting terminal...

rakhat@azure:~$ sz group delete --name homework6 --no-wait --yes
rakhat@azure:~$
```