Annotation pipeline with Amazon Mechanical Turk

Documentation of steps and details

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# The Process

## Creating Custom Qualification Test

### Steps to use MTurk API

1. Create an AWS account : [Create an AWS account](https://portal.aws.amazon.com/billing/signup?nc2=h_ct&src=header_signup&redirect_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation#/start)
2. Create an MTurk account as a requester : [Create MTurk account as a Requester](https://www.mturk.com/)
3. Create MTurk Sandbox requester account: [Create MTurk Sandbox requester account](https://www.amazon.com/ap/signin?_encoding=UTF8&clientContext=e32ed682f66b69892006998214347a&marketplaceId=A3PQ4M92Y5OWHO&openid.assoc_handle=amzn_mturk_requestersandbox_v2&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.mode=checkid_setup&openid.ns.pape=http%3A%2F%2Fspecs.openid.net%2Fextensions%2Fpape%2F1.0&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0&openid.pape.max_auth_age=43200&openid.return_to=https%3A%2F%2Frequestersandbox.mturk.com%2Fcreate%2Ftemplate%2F920937243%2Fstart)
4. Create an MTurk account as a worker: [Create an MTurk Sandbox worker account](https://www.amazon.com/ap/signin?_encoding=UTF8&clientContext=e32ed682f66b69892006998214347a&marketplaceId=A3H5SF4P7V8G3G&openid.assoc_handle=amzn_mturk_workersandbox_v2&openid.claimed_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.mode=checkid_setup&openid.ns.pape=http%3A%2F%2Fspecs.openid.net%2Fextensions%2Fpape%2F1.0&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0&openid.pape.max_auth_age=43200&openid.return_to=https%3A%2F%2Fworkersandbox.mturk.com%2F%3Fend_signin%3D1)
5. Link AWS and MTurk requester accounts : [Link AWS and MTurk accounts](https://requester.mturk.com/developer)
6. Install boto3: [pip install boto3](https://boto3.amazonaws.com/v1/documentation/api/latest/guide/quickstart.html#installation)
7. Install AWS CLI for configuration of AWS authentication keys : [Install AWS CLI](https://aws.amazon.com/cli/)
8. Download AWS access key ID and AWS secret key from <https://console.aws.amazon.com/iam/home#/security_credentials>
9. Open Terminal and run :

|  |
| --- |
| aws configure |
|  |

1. Enter AWS access key ID and AWS secret key and enter region ‘us-east-1 ‘
2. The config and credentials files should have been created ~\.aws\config\
3. To test the credentials for Sandbox developer account, create a python script or download and run this script: [mturk-api-setup-test.py](https://drive.google.com/drive/u/1/folders/1pUd-iCy-DnVXH6O6YkE9peMVUALzV4wX)
4. Now execute script from terminal:

|  |
| --- |
| python path-to-mturk-api-setup-script\mturk-api-setup.py |

## References

1. <https://katherinemwood.github.io/post/qualifications/>
2. <https://katherinemwood.github.io/post/mturk_dev_intro/>
3. <https://katherinemwood.github.io/post/data-sharing/>