March - July: Financial Year
Synchronous design [doesnt scaleup]

WEB APPLICATION

#millions

generate: tax
documents

Amazon
EC2
cleartax.com
(or)
h&r block

.ZIP

upload

ITRV
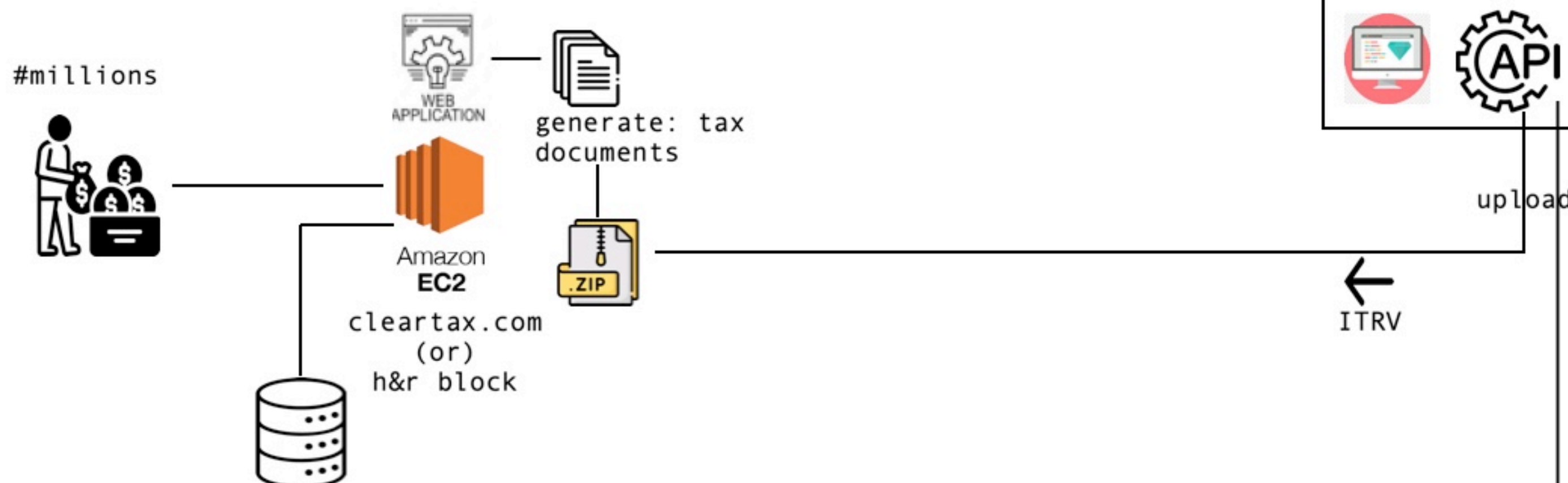
The Income Tax India is providing e-tax
filling support, so that tax payers can upload
their tax documents over online and can file
their returns.
The Tax holder/payers has to create necessary
tax documentation and should upload them into
the income tax website.

The Income Tax India has provided http api
endpoints to the third-parties (CA) allowing
CA to build integrations in filling e-taxes.

asynchronous approach

#millions

ref#

WEB APPLICATION

Amazon
SQS
referenceQueue

Threshold

generate: tax
documents

.ZIP

Amazon
EC2
cleartax.com
(or)
h&r block

mill-seconds/
seconds

generate: tax
documents

.ZIP

Amazon
EC2

ITRV
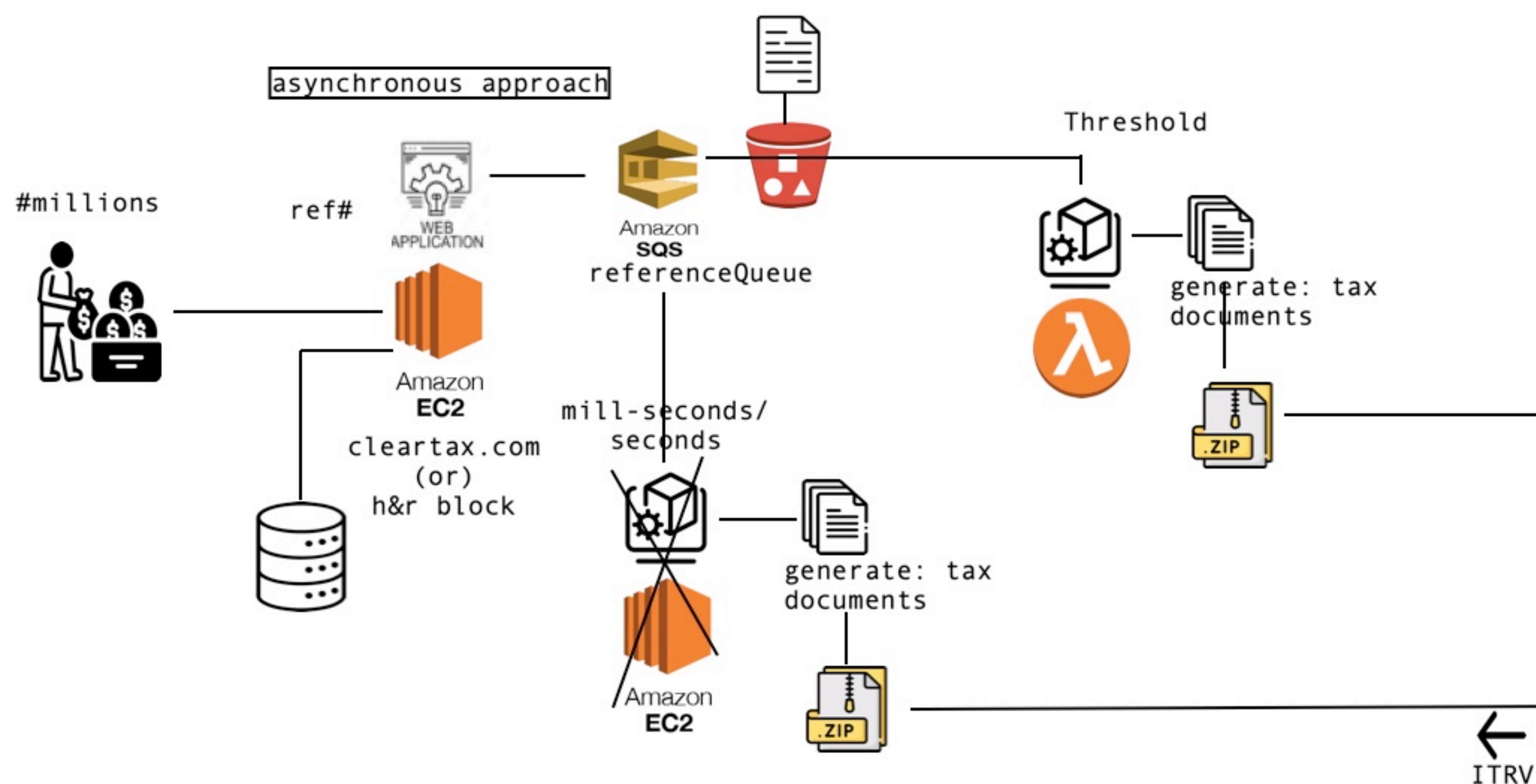
To run the etax filing process/program we need:
1. dedicated infrastructure (24x7) available
2. scalability and high-availability
3. monitor

aws-cloud-sdk
api

writes the contents of the
file into the
aws cloudwatch logs

supported
programming language
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java
python
node.js
go