APProcessor Architecture

<https://confluence.politico.com/display/DEV/APProcessor+for+2016+General+Election>

AP FTP Server 1 Primary

AP Processor Task

AP Processor Main

states .txt data files

Main CMS

AP FTP Server 2 Secondary

states .txt data files

Snippets and .xml files

AWS S3 Buckets

AP FTP Server for Testing 2012 General Election Data

ET Sandbox FTP

[ftp.test.exacttarget.com](http://ftp.test.exacttarget.com/)

Username: 10688927

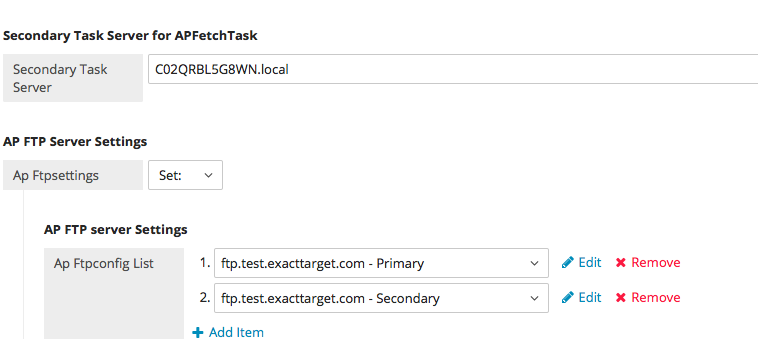
Pass: ydOF9U4f

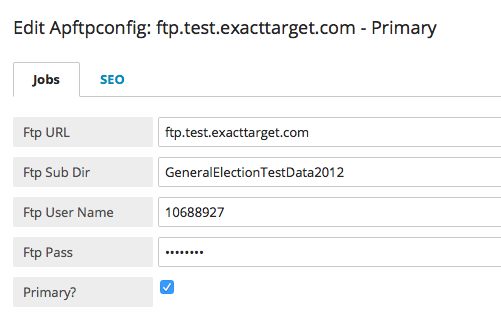
Sub Dir : GeneralElectionTestData2012

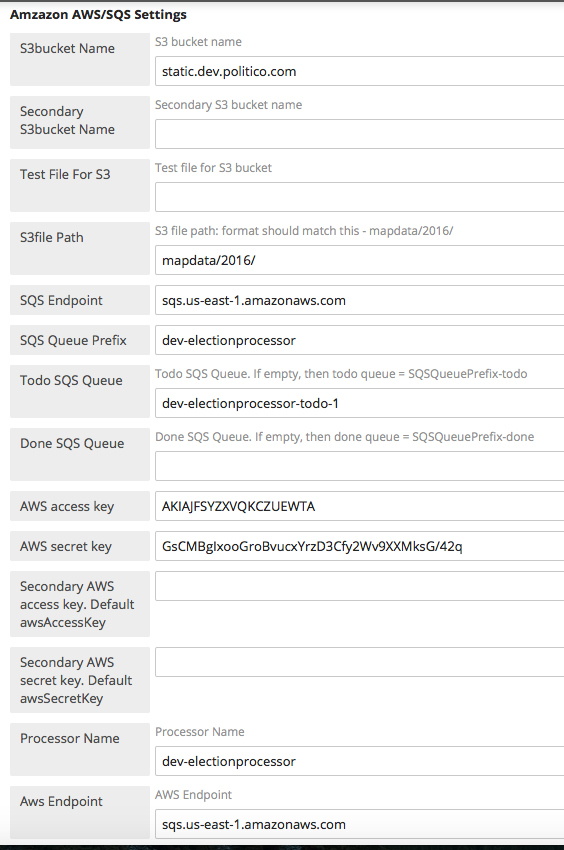
To setup AP FTP Server go to:

Admin/Settings/Politico/JOB tab

And set up AP FTP Server Settings. You can configure both Primary and Secondary or only Primary is enough

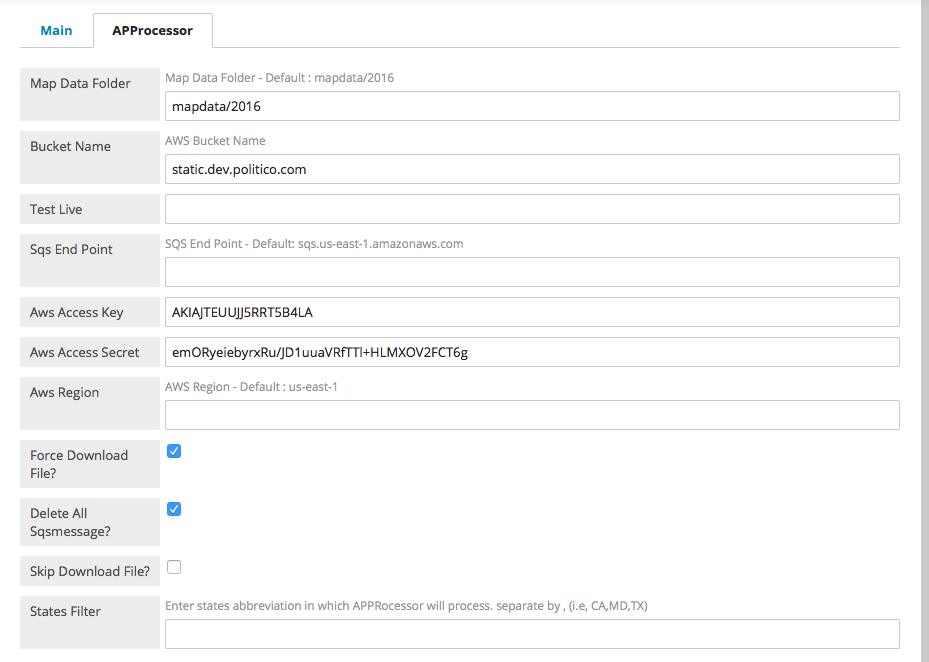






AWS/SQS Settings also under JOB tab. I need to clean up this since all the SQS queue are now not using

**Setup AP Processor Parameters**

Admin/Settings/Election Hub/APProcessor Tab

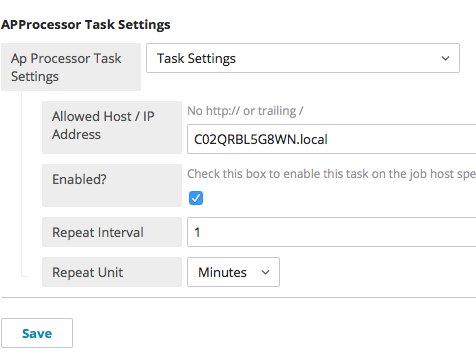
To help with testing:

Force Download File : check this it you want to force download txt file from AP FTP server even if files have no new content

Delete All SQS Messages : Check this will empty the SQSMessage object in CMS

Skip Download File : check this if you want to skip download states .txt file and go to APProcessor code directly

State Filter: Enter states you want to run only separated by “,” i.e., CA,TX will run only CA and TX



This is the setting for new APProcessor.java task

Notes:

All the APProcessor related code is under com.politico.election.approcessor package

APProcessorTask.java is copied from original APFetchTask.java and modified.

States raw data file .txt and \_D.txt files are downloaded from AP FTP server. These states files are stored in a HashMap apFileObjectHashMap and pass directly to APProcessor for processing.

The AWS SQS queue is removed by SQSMessage object

The Election Event configuration is saved to ElectionConfig object for each Election Event