Background Information

* Parser will only be invoked when a file is uploaded to a specific folder. Folder configuration details found below
* While implementing this logic, I encountered a heap limit issue when parsing the file with a batch class.
  + To overcome this obstacle, I created an email service since it has a higher heap size limit (36 MB).
* Flow of parser
  + Trigger à Handler Class (sends email to Email Service) à Email Service (invokes batch) à Batch Class

**Pre Deployment Activity**

* Create a folder where XML file will be uploaded
* Create a label to store Folder Id value
  + Label Name – XmlFolderId
  + Label Value – run the following query and obtain the value from Name
    - SELECT ID, Name, CreatedDate FROM ContentFolder

**Post Deployment Activity**

* Create new email address for XmlParserEmailSerivce email service
  + Setup à Email Services à XmlParserEmailSerivce à New Email Address à Create as shown below (Context User – any admin) à Store email address that is created
  + Graphical user interface, text, application, email

    Description automatically generated
* Update XmlParserEmailService label with email service email obtain from the above step

**Components**

* Custom Object
  + Violation\_Code\_\_c
* Trigger
  + ContentDocumentLinkTrigger\_AT
* Apex Class
  + ContentDocumentLinkTriggerHandler\_AC
  + ContentDocumentLinkTriggerHandlerTest\_AC
  + EmailServiceXMLReader
  + XmlFileReader\_Batch
    - Finish method will need to be updated as needed.
  + XmlFileReader
* Email Service
  + XmlParserEmailService
* Custom Label
  + XmlParserEmailService
    - Stores email service email
  + PartsToIgnore
    - Stores Parts that need to be ignored from XML file separated by a comma
      * Ex. Part1, Part2