

EMAIL PARSER

1. Introduction

In today's digital age, our inboxes are constantly flooded with emails. Often, these emails are lengthy, and we lack the time to review them in their entirety. But what if we could automatically extract the most relevant information from these emails? We introduce a software solution specifically designed for this task.



2. Objective



This program, divided into 4 modules, focuses on extracting information from email messages with the .eml extension. Its goal is to identify and list a variety of data, such as greetings, links, tasks, addresses, dates, events, verification codes, and other important elements. By automating this process, it simplifies the task of retrieving and organizing information contained in our email communications.

3. Methods

Regular Expression

Definition

Regular expressions are a formal language that allows searching for patterns in text strings. They are used for tasks such as input validation, text search, and manipulation.



Implementation

Regular expressions were used to identify patterns in the content of email messages, such as dates, addresses, links, greetings, verification codes, among others. This allowed precise and efficient extraction of this information.

Automata

Definition

A finite automaton is a mathematical model that describes a state machine capable of receiving input and transitioning between different states according to that input.

