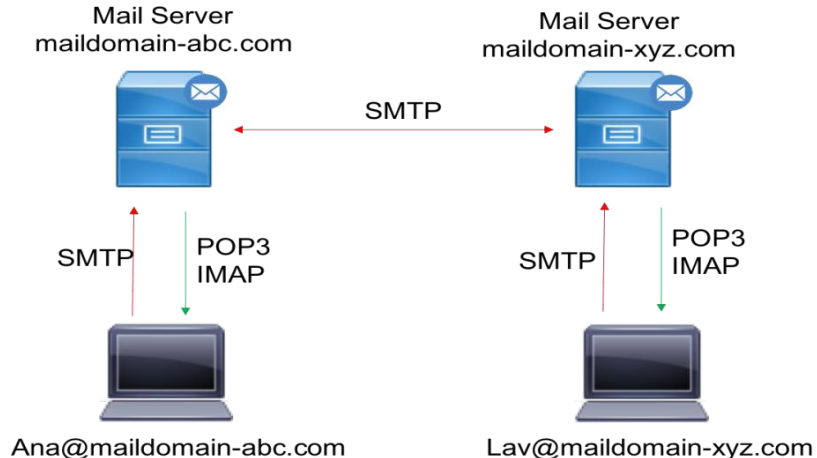


## Experiment No.15

### Trace the Path of Web Site Using Tracers Utility Pop Email Security

#### Theoretical Background

E-mail is popular internet application. Millions of user daily uses e-mail for personal, business or for official purpose. As e-mail system influence our life so much today in a positive way, on the other way cyber criminals are also using e-mail as tool to fulfil their malafide intentions. So it is better to understand our email system and how it works and how it could be utilized to its maximum potential. It is also good to know what security protocols are commonly used to secure our communications while using email and up to what extent they are safe. Further what type of threats are facing from the cyber criminals while using e-mail as our mode of communication and how to protect ourselves or what e-mail forensic investigation tools and techniques are used by cyber forensic personnel to put these cyber criminals behind bars and prove their crime in court of law



#### Procedure

##### Online Email Server Testing

Use this fast and easy email testing tool to determine whether various aspects of your email server are working. Whether you want to test Exchange connectivity or any other type of email

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server, this email testing tool will perform a connectivity check using the email protocol you specify. Test your POP3, SMTP email server for availability and performance. Fill in the form below by selecting the server type and entering the server address. User name and password are optional and no login or personally identifiable information will be retained after the test is run. Having email issues? Test your mail server for the next 30 days with our complimentary mail server monitoring. Sign up to create a mail server monitoring script in less than 1 minute.

SERVER TYPE (REQUIRED)

☒ POP3 ☐ IMAP4.1 ☐ SMTP

SSL CONNECTION

NO ▼

EMAIL SERVER (REQUIRED)

Server Location (Hostname or IP address)

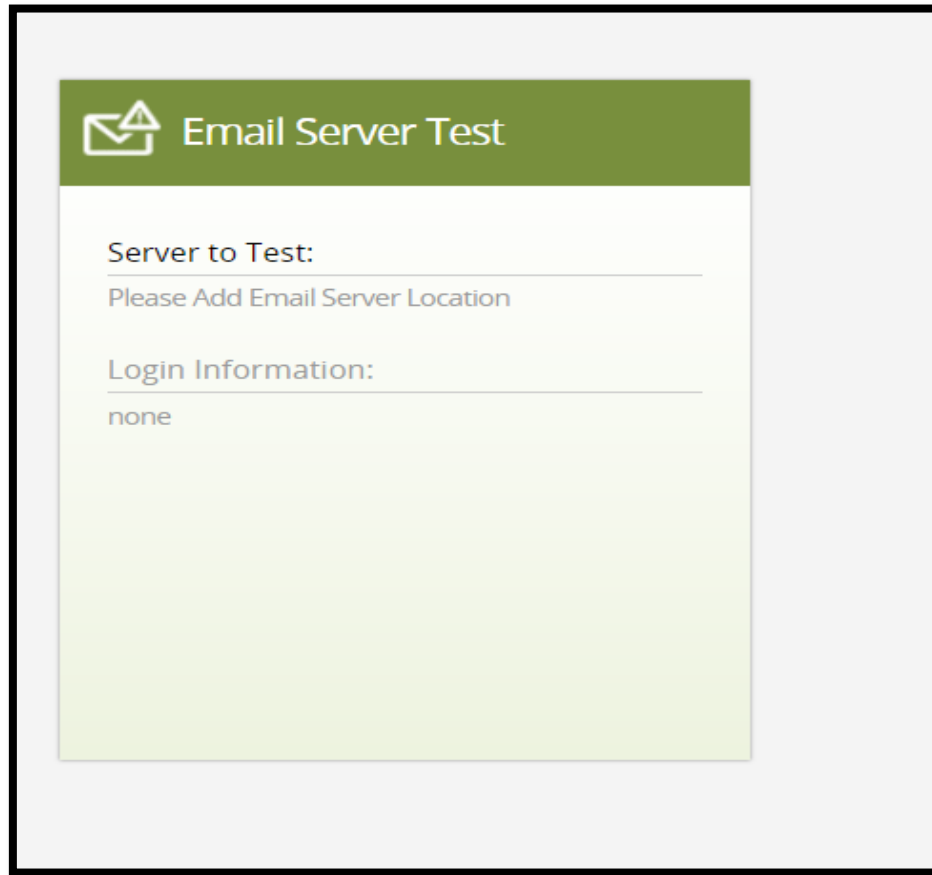
USER NAME

Login Name

PASSWORD

Login Password

START TEST

The image shows a web-based interface for testing email servers. It has a green header bar with a white envelope icon and the text "Email Server Test". Below the header, there are two main sections. The first section is titled "Server to Test:" and contains a text input field with the placeholder text "Please Add Email Server Location". The second section is titled "Login Information:" and contains a text input field with the value "none". The entire form is set against a light gray background with a subtle gradient.

Test results include various measurements such as duration to connection and success or failure status. If there is a failure, the error codes and error descriptions are displayed in the test output. The email server test results are displayed from over 20 different locations around the world. This global network provides insight into specific email servers that may have connectivity issues.

### **POP3 (Post Office Protocol 3)**

POP3 stands for Post Office Protocol 3; it is quite simple with limited in functionality. POP3 client installation takes place at receiver's computer and POP3 server software installation must be done at mail server to which receiver is connected. When user wants to download mail from his mailbox residing on mail server then the MAA client establish a connection with MAA server of mail server on TCP port 110, verified its identity by passing username and password. After verification he can access his mailbox and retrieve his mails messages.

By default, the POP3 protocol works on two ports:

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- **Port 110** - this is the default POP3 non-encrypted port
- **Port 995** - this is the port you need to use if you want to connect using POP3 securely

## Conclusion

We have conclude that how should we trace the path of web site using tracers utility pop email security.

## Exercise

1. What is pop3?
2. Which are the default pop3 ports?
3. How do you stop email tracking?

# Answers

This image shows a full page of primary-ruled paper. It features 20 evenly spaced horizontal dotted lines across the entire width of the page, providing a guide for handwriting practice. The background is white, and there are no margins or additional markings.

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Marks obtained			Dated signature of Teacher
Process Related (15)	Product Related (10)	Total(25)	

