

BatPost



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| | | |
|--------------|---------------------------|-----------|
| 1 | | 5 |
| 2 | | 7 |
| 1 | | 7 |
| 2 | (mail-list) (alias) | 7 |
| 3 | | 7 |
| 3 | | 9 |
| 1 | | 9 |
| 2 | () | 10 |
| 3 | (Spool Monitor) | 10 |
| 4 | (Tray Icon) | 12 |
| 4 | | 15 |
| 1 | | 15 |
| 2 | ..... | 16 |
|  | ..... | 16 |
|  | ..... | 18 |
|  | ..... | 18 |
|  | ..... | 19 |
| 3 | ..... | 19 |
|  | ..... | 20 |
|  | ..... | 22 |
|  | ..... | 23 |
|  | ..... | 24 |
| 4 | ..... | 24 |
| 5 ETRN/ATRN | ..... | 25 |
|  | ..... | 26 |
|  | ..... | 27 |
| 6 Remote POP | ..... | 27 |
|  | ..... | 28 |
|  | ..... | 29 |
| Domain POP | ..... | 30 |
| CC | ..... | 31 |
| 7 | ..... | 31 |
| 8 | ..... | 31 |
|  | ..... | 32 |
|  | ..... | 33 |
| DNS | ..... | 35 |
|  | ..... | 37 |
|  | ..... | 40 |

| | | |
|----------------|-------------------|-----------|
|  | ..... | 41 |
| 9 | ..... | 43 |
| 10 | ..... | 45 |
| 11 | () | 46 |
| " " | ..... | 47 |
| " " | ..... | 47 |
|  | ..... | 48 |
| 5 | | 52 |
| 1 | () | 52 |
|  | ..... | 52 |
|  | ..... | 52 |
|  | ..... | 53 |
|  | ..... | 53 |
| Escape- | ..... | 54 |
| 2 | () | 54 |
| - | ..... | 55 |
| "\" | (backslash) | 56 |
| "^" "\$" | ..... | 58 |
| "." | ..... | 59 |
| "[" "]" | ..... | 59 |
| "\|" | ..... | 60 |
|  | ..... | 61 |
|  | ..... | 63 |
|  | ..... | 64 |
|  | ..... | 66 |
|  | ..... | 66 |
|  | ..... | 68 |
|  | ..... | 69 |
|  | ..... | 69 |
|  | ..... | 70 |
|  | ..... | 70 |
| Perl | ..... | 70 |
| 6 | | 73 |
| 1 | ..... | 73 |
| 2 | ..... | 75 |
| 3 | ..... | 76 |
| 4 | ..... | 78 |
| 7 | | 81 |
| 1 " | " | 81 |
| 8 | | 83 |
| 1 | ..... | 83 |
| 2 | ..... | 83 |
| 3 | ..... | 84 |



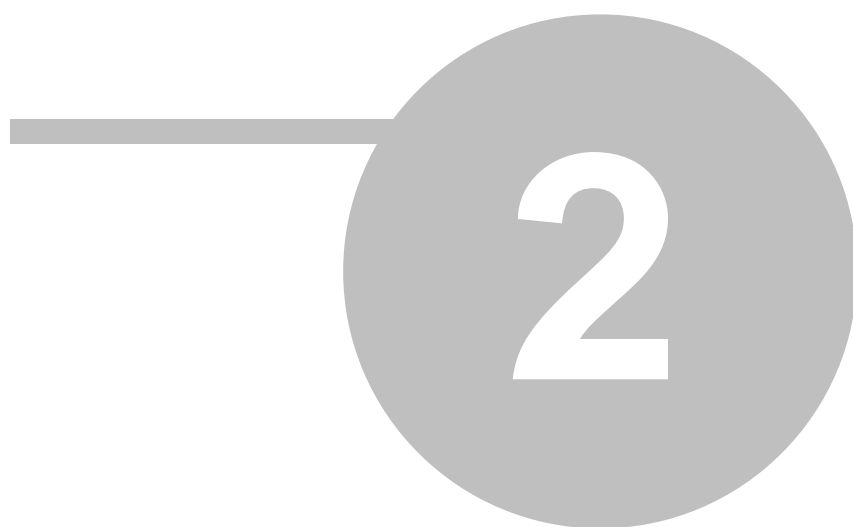
1

BatPost -

(SMTP, POP3, IMAP).

SSL/TLS.

()



2

BatPost

2.1

```
(
    relay
), SMTP
IP/Host RS (Database|Rule sets/BL/AL...)
:
•
•
• relay'
•
    relay'
```

2.2

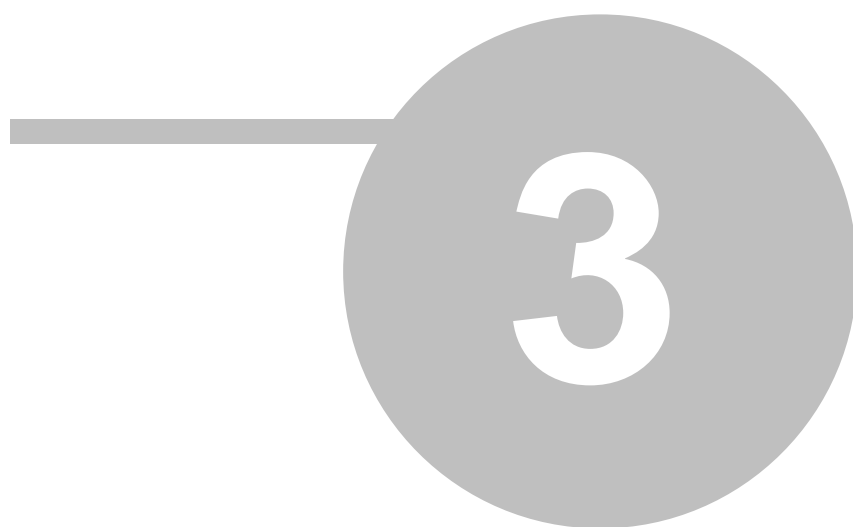
(mail-list)

(alias)

```
"#"
"$"
:
• $include filename -
```

2.3

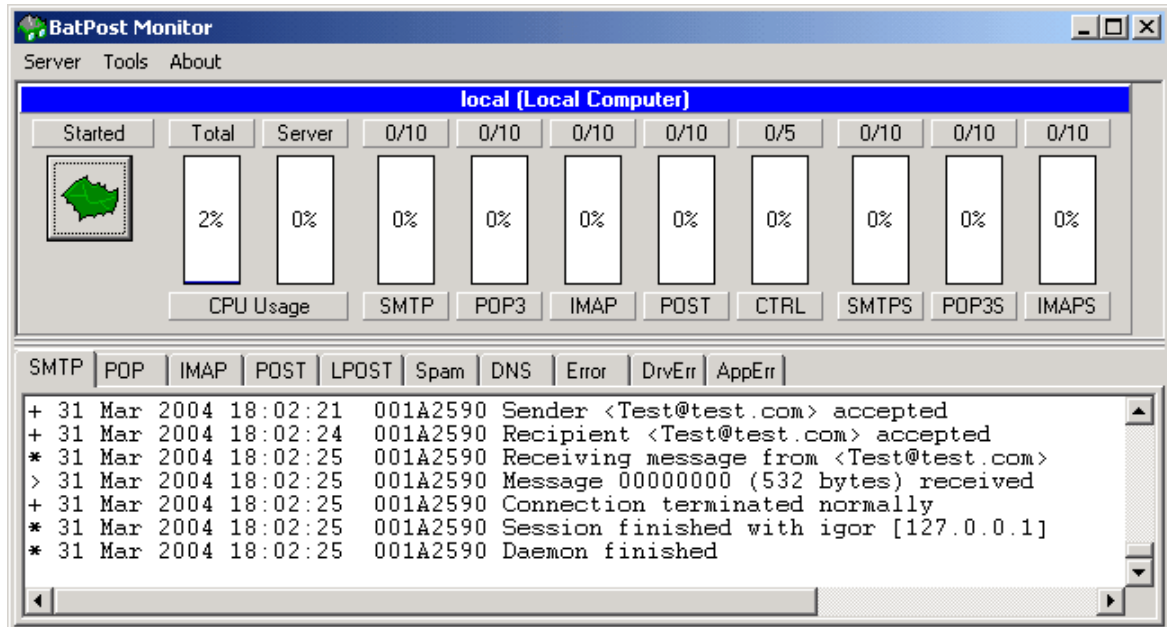
```
(broadcast)
:
• *users@domain - " " "domain"
• *aliases@domain - "domain"
• *mlists@domain - "domain"
```

3

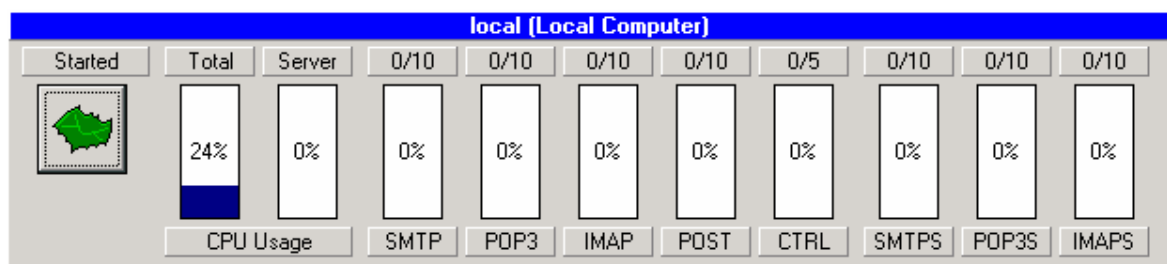
().

:

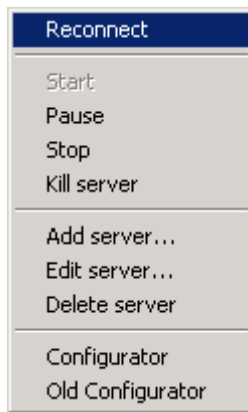


3.1

:

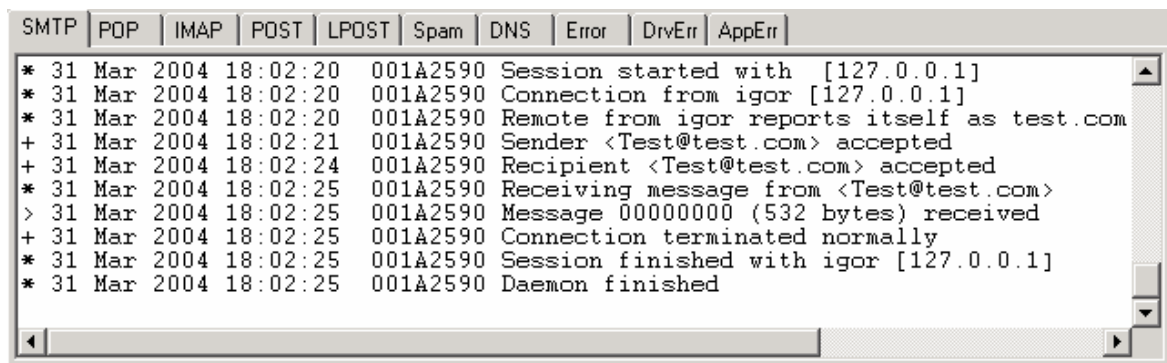


:



3.2

()



Error.log,

, DrvErr.log,

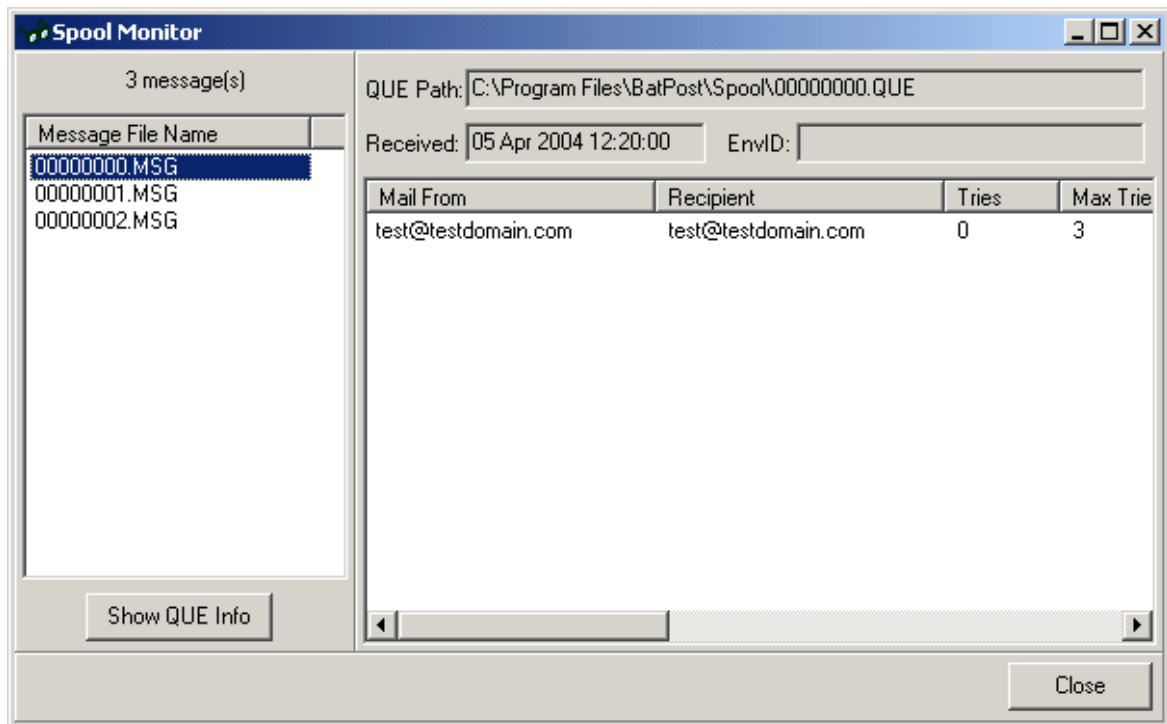
3.3

(Spool Monitor)

()

"MSG",

"QUE".



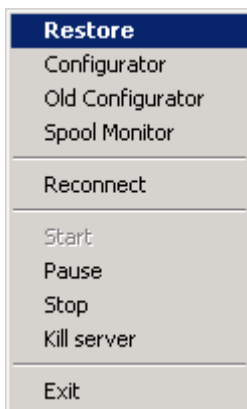
- QUE Path -
 - Received -
 - EnvID -
- SMTP
- Mail From -
 - Recipient -
 - Tries -
 - Max Tries -
 - Last Try -
 - Next Try -
 - Flags - ()
 - Last Error -
 - Original Recipient - SMTP
 - Action - (DSN rfc1894)
 - None -
 - Failed -
 - Delayed -
 - Delivered -
 - Relayed -
 - Expanded -

- Status -

(DSN

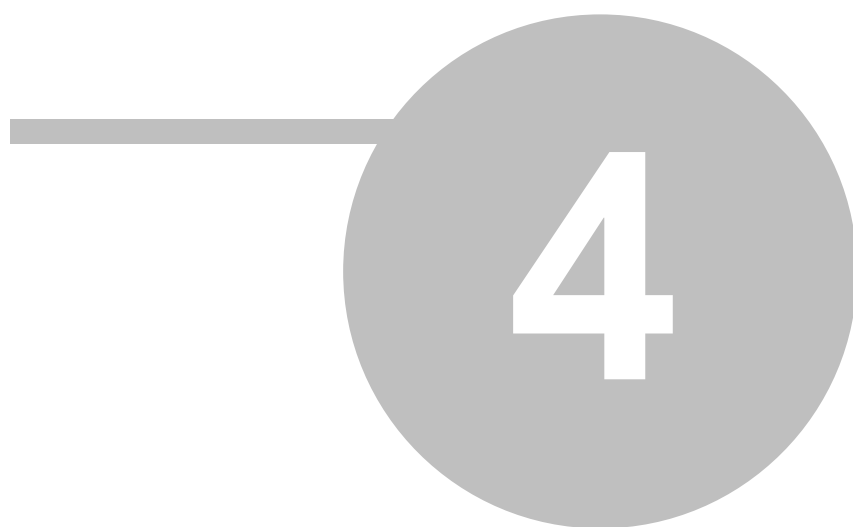
rfc1894)

3.4 (Tray Icon)



-
-
-
-

•
•
•
•
• " "



4

"Options"

4.1

IMAP

| | |
|----------|--|
| Name: | <input type="text"/> |
| Comment: | <input type="text"/> |
| Rights | <input type="checkbox"/> Administer <input type="checkbox"/> Broadcast To Users <input type="checkbox"/> Broadcast To Aliases <input type="checkbox"/> Broadcast To Mail-lists <input type="checkbox"/> ETRN command <input type="checkbox"/> ATRN (ODMR) command |

"Name"

"Comment"

"Rights"

- Administer -
- Broadcast To Users -
- Broadcast To Aliases -
- Broadcast To Mail-lists -
- ETRN command -
- ATRN (ODMR) command -

ETRN/ATRN

ETRN

ATRN

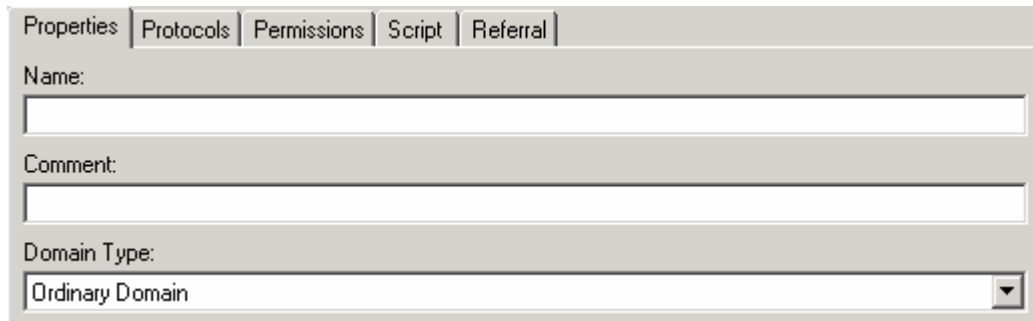
SMTP

SMTP

4.2

4.2.1

"Properties"



Properties | Protocols | Permissions | Script | Referral

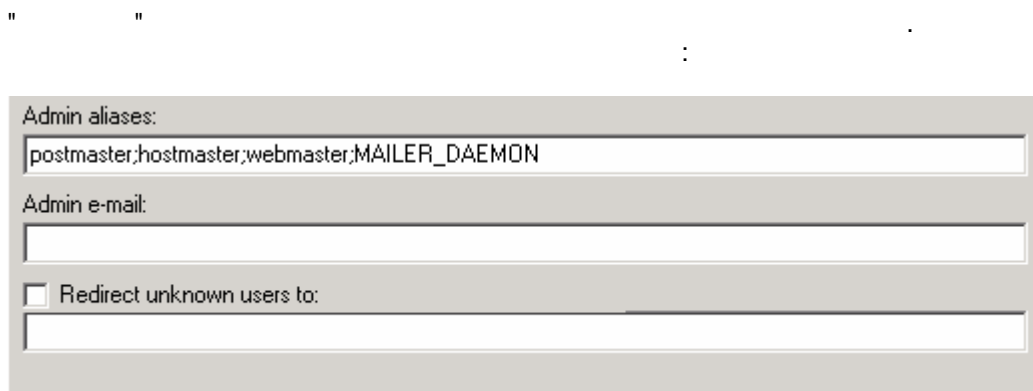
Name:

Comment:

Domain Type:
Ordinary Domain

- Name -
- Comment -
- Domain Type -

Ordinary Domain



Admin aliases:

Admin e-mail:

☐ Redirect unknown users to:

- Admin aliases -
- Admin e-mail -
- Redirect unknown users to -

Backup Domain

MX. DNS

ETRN/ATRN Domain

ETRN/ATRN.

| | |
|--|----------------------|
| ETRN IP Masks: | <input type="text"/> |
| ATRN IP Masks: | <input type="text"/> |
| <input type="checkbox"/> Authorization required for ETRN command | |
| <input type="checkbox"/> Enable ETRN command | |
| <input type="checkbox"/> Enable ATRN command | |

- ETRN IP Masks - IP
- ETRN
- ATRN IP Masks - IP
- ATRN
- Authorization required for ETRN command - ETRN
- Enable ETRN command - ETRN
- Enable ATRN command - ATRN

Redirect/Relay Domain

| | |
|------------------------|----------------------|
| Redirect to Host: | <input type="text"/> |
| Replace Hostname with: | <input type="text"/> |

- Redirect to Host -
- Replace Hostname with - RCPT TO

4.2.2

"Protocols"

:

| Protocol | Enable | IP Address | Port |
|----------|-------------------------------------|------------|-------|
| POP3 | <input checked="" type="checkbox"/> | ... | 110 |
| SMTP | <input checked="" type="checkbox"/> | ... | 25 |
| IMAP | <input checked="" type="checkbox"/> | ... | 143 |
| POP3S | <input checked="" type="checkbox"/> | ... | 995 |
| SMTPS | <input checked="" type="checkbox"/> | ... | 465 |
| IMAPS | <input checked="" type="checkbox"/> | ... | 993 |
| ODMR | <input checked="" type="checkbox"/> | ... | 366 |
| Control | <input checked="" type="checkbox"/> | ... | 11111 |
| Pass Ch | <input checked="" type="checkbox"/> | ... | 106 |

IP

4.2.3

"Permissions"

:

| Properties | Protocols | Permissions | Referral | Script | | | | |
|--|-----------|-------------|----------|--------|------|--------|--|--|
| <div> <div> Name </div> <div> List Owners LocalBroadcaster test1 test3 </div> <div> Add Remove </div> <div> <table border="1"> <thead> <tr> <th>Name</th> <th>Rights</th> </tr> </thead> <tbody> <tr> <td colspan="2" style="height: 100px;"></td> </tr> </tbody> </table> </div> <div> <div>Rights</div> <div> <input type="checkbox"/> (A) Administer <input type="checkbox"/> (u) Broadcast To Users <input type="checkbox"/> (a) Broadcast To Aliases <input type="checkbox"/> (m) Broadcast To Mail-lists <input type="checkbox"/> (E) Allow ETRN command <input type="checkbox"/> (O) Allow ATRN (ODMR) command </div> </div> </div> | | | | | Name | Rights | | |
| Name | Rights | | | | | | | |
| | | | | | | | | |

4.2.4

"Referral"

Properties | Protocols | Permissions | Referral | Script

Contents Type

☒ Own contents ☐ Referral contents

Driver:

DefaultDrv v1.00

- Own contents -
- Referral contents -

Referral:

test.com

()

4.3

(" @), (mail-list) (alias).

4.3.1

"Basic"

:

- Name - (" @ ")
- User Type -
 - Ordinary -
 - Mail-list -
 - Aliases -

:

- Password -
- Re-enter password -
- Authorization Type -
 - Plain text -
 - Digest MD5 (APOP)
 - CRAM MD5 (AUTH)
 - NTLM (Outlook)
- Hardware authorization -
- (, .)



- Full Name -
- Inbox - SMTP, POP3. "INBOX", IMAP.

:

Ordinary user Mail-list Aliases

Mail-list owner:

Addresses:

- Mail-list owner -

- Addresses -

Ordinary user Mail-list Aliases

Addresses:

- Addresses -

4.3.2

"Advanced"
:







The screenshot shows a web form with four tabs: 'Basic', 'Advanced', 'Membership', and 'Referral'. The 'Advanced' tab is selected. Below the tabs, there are two text input fields. The first field is labeled 'CC addresses:' and the second is labeled 'Comment:'. Both fields are empty and have a standard scrollable text area appearance with small arrow buttons in the corners.


- CC addresses -
- Comment -


⋮

| | | | |
|-------|----------|------------|----------|
| Basic | Advanced | Membership | Referral |
|-------|----------|------------|----------|

☐ Accept mail only from "groupmates"

| | |
|---|--|
|  Admins |  LocalBroadcaster |
|  GlobalBroadcaster |  test1 |
|  List Owners |  test3 |

 Add

 Remove

- Accept mail only from "groupmates" -

[illegible]

4.3.4

"Referral"

:

Basic | Advanced | Membership | Referral

Contents Type

☒ Own contents ☐ Referral contents

Driver:

DefaultDrv v1.00

- Own contents -
- Referral contents -

Referral:

test@test.com

(,)

,

,

,

4.4

(Schedules)

:

Name:

Weekdays:

| | |
|---|--|
| <input checked="" type="checkbox"/> Sunday | <input checked="" type="checkbox"/> Thursday |
| <input checked="" type="checkbox"/> Monday | <input checked="" type="checkbox"/> Friday |
| <input checked="" type="checkbox"/> Tuesday | <input checked="" type="checkbox"/> Saturday |
| <input checked="" type="checkbox"/> Wednesday | |

☒ Once At:

☐ Every:

☐ Between:

☐ Disabled

- Name - ()
- Weekdays -
- Once At -
- Every -
- "Between"
- Disabled -

4.5 ETRN/ATRN

- ETRN - SMTP SMTP ETRN.
- ATRN - SMTP ATRN.
- Remote POP - POP

4.5.1

"Properties"

ETRN/ATRN:

- Mode - : ETRN ATRN
- Host - ,
- Parameters - ,
- Authenticate on Server - ()
- Authorization Type - (CRAM MD5)
- Username -
- Password -

4.5.2

"Schedules"

ETRN/ATRN:

Properties Schedules

Don't Use Schedules:

| Name | Description |
|-----------------|--|
| Test schedule | Once At 17:46 (Sun, Mon, Tue, Wed, Thu, Fri, Sat) |
| Test schedule 1 | Once At 17:18 (Sun, Mon, Tue, Wed, Thu, Fri, Sat) |
| Test schedule 2 | Every 30 minutes between 12:00 and 21:00 (Sun, Mon, Tue, Wed, Thu) |

New... Add Remove

Use Schedules:

| Name | Description |
|------|-------------|
|------|-------------|

ETRN/ATRN.

"Add"
"Remove"

4.6 Remote POP

Remote POP (RPOP)
POP.

ETRN/ATRN,

4.6.1

"Properties"

Remote POP:

| | | | | |
|---|--|----------------------------------|----------------------------------|----|
| Properties | | Schedules | Domain POP | CC |
| Name: | | | | |
| <input type="text"/> | | | | |
| Server: | | | Port: | |
| <input type="text"/> | | | <input type="text" value="110"/> | |
| Authorization Type: | | | | |
| <input type="text" value="Plain text"/> | | | | |
| User Name: | | Password: | | |
| <input type="text"/> | | <input type="text"/> | | |
| Mode | | | | |
| <input checked="" type="radio"/> Remote Account | | <input type="radio"/> Domain POP | | |
| Forward To: | | | | |
| <input type="text"/> | | | | |

- Name - Remote POP ()
- Server - , POP
- Port - (110)
- Authorization Type -
- User Name -
- Password -
- Mode - "Remote Account" "Forward To". "Domain POP"
- Forward To - "Forward To".

4.6.2

"Schedules"

Remote POP:

The screenshot shows a software window with a tabbed interface. The 'Schedules' tab is selected. It contains two lists: 'Don't Use Schedules' and 'Use Schedules'. The 'Don't Use Schedules' list has three entries, with the first one selected. Below the lists are three buttons: 'New...', 'Add', and 'Remove'.

| Name | Description |
|-----------------|--|
| Test schedule | Once At 17:46 (Sun, Mon, Tue, Wed, Thu, Fri, Sat) |
| Test schedule 1 | Once At 17:18 (Sun, Mon, Tue, Wed, Thu, Fri, Sat) |
| Test schedule 2 | Every 30 minutes between 12:00 and 21:00 (Sun, Mon, Tue, Wed, Thu, |

Buttons: New..., Add, Remove

| Name | Description |
|------|-------------|
|------|-------------|

Remote POP.

"Add"
"Remove"

4.6.3 Domain POP

"Domain POP"
:

Properties Schedules Domain POP CC

☒ Parse "Received:" field

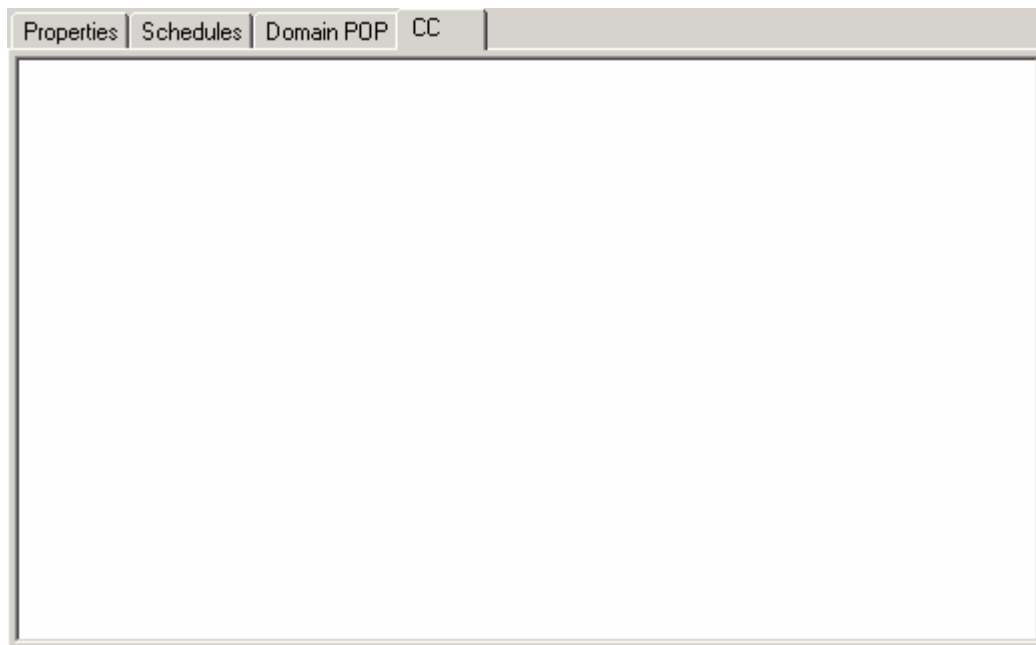
☒ Parse Header Fields

To,Cc

- Parse "Received:" field - "Received"
- Parse Header Fields - (

4.6.4 CC

"CC"
:



4.7

(Global Admins)

, . :



- Name -
- Password -
- Confirm -

4.8

, , . ,

4.8.1

"Common"

:

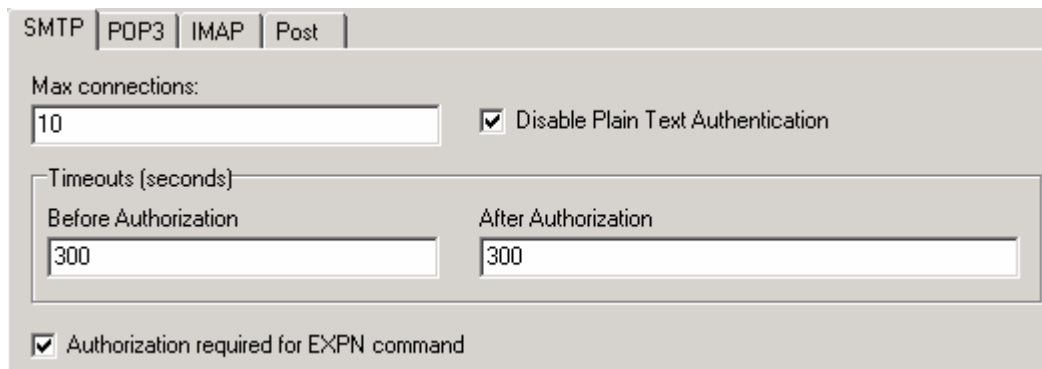
| | |
|---|------------------------------------|
| Mailserver Hostname: | |
| <input type="text" value="testdomain.com"/> | |
| DB dir: | |
| <input type="text" value=".\\DB\\"/> | |
| Log dir: | |
| <input type="text" value=".\\Logs\\"/> | |
| Spool dir: | |
| <input type="text" value=".\\Spool\\"/> | |
| Stream dir: | |
| <input type="text" value=".\\Stream\\"/> | |
| SpamCfg dir: | |
| <input type="text" value=".\\\\"/> | |
| Max hops: | Max Message Size (KB): |
| <input type="text" value="20"/> | <input type="text" value="40000"/> |
| Min Free Space (KB): | |
| <input type="text" value="1024"/> | |

- Mailserver Hostname - ,
- DB dir - , (, ,
- Log dir - , (log)
- Spool dir - ,
- Stream dir -
- SpamCfg dir - "spam.cfg"
- Max hops - , (loop)
- Max Message Size -
- Min Free Space -

4.8.2

"Protocols"
"SMTP"

SMTP:



SMTP | POP3 | IMAP | Post

Max connections:
10

☒ Disable Plain Text Authentication

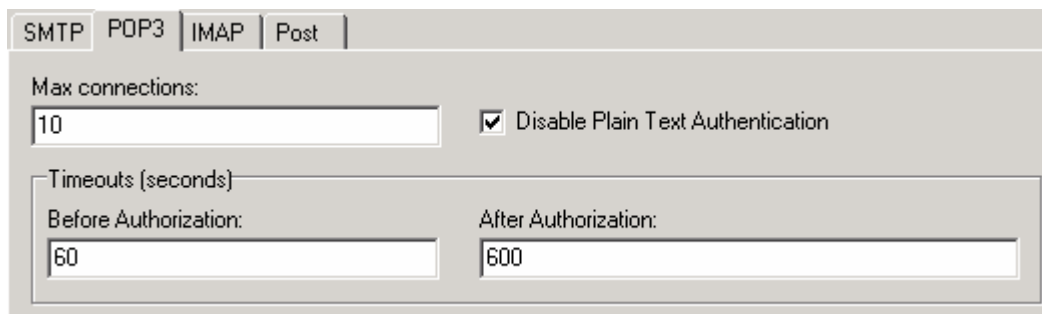
Timeouts (seconds)
Before Authorization: 300 After Authorization: 300

☒ Authorization required for EXPN command

- Max connections - SMTP
- Disable Plain Text Authentication - "
- Timeouts: Before Authorization - ()
- Timeouts: After Authorization - ()
- Authorization required for EXPN command - EXPN

"POP3"

POP3:



SMTP | POP3 | IMAP | Post

Max connections:
10

☒ Disable Plain Text Authentication

Timeouts (seconds)
Before Authorization: 60 After Authorization: 600

- Max connections - POP3
- Disable Plain Text Authentication - "
- Timeouts: Before Authorization - ()
- Timeouts: After Authorization - ()

"IMAP"

IMAP:

| | | | | | | | | | | | | | |
|---|--|------|------|--|---|---|--|---|---|---|---|---|--|
| SMTP | POP3 | IMAP | Post | | | | | | | | | | |
| Max connections: <input type="text" value="10"/> <input type="checkbox"/> Disable Plain Text Authentication | | | | | | | | | | | | | |
| Timeouts (seconds) Before Authorization: <input type="text" value="60"/> After Authorization: <input type="text" value="1800"/> | | | | | | | | | | | | | |
| Default Rights <table border="0"> <tr> <td><input checked="" type="checkbox"/> (L) Lookup folders</td> <td><input checked="" type="checkbox"/> (P) Post mail</td> </tr> <tr> <td><input checked="" type="checkbox"/> (R) Read messages</td> <td><input checked="" type="checkbox"/> (C) Create sub-folders</td> </tr> <tr> <td><input checked="" type="checkbox"/> (S) Seen flag store</td> <td><input checked="" type="checkbox"/> (D) Delete messages</td> </tr> <tr> <td><input checked="" type="checkbox"/> (W) Write other flags</td> <td><input checked="" type="checkbox"/> (A) Administer folder</td> </tr> <tr> <td><input checked="" type="checkbox"/> (I) Insert messages</td> <td></td> </tr> </table> | | | | <input checked="" type="checkbox"/> (L) Lookup folders | <input checked="" type="checkbox"/> (P) Post mail | <input checked="" type="checkbox"/> (R) Read messages | <input checked="" type="checkbox"/> (C) Create sub-folders | <input checked="" type="checkbox"/> (S) Seen flag store | <input checked="" type="checkbox"/> (D) Delete messages | <input checked="" type="checkbox"/> (W) Write other flags | <input checked="" type="checkbox"/> (A) Administer folder | <input checked="" type="checkbox"/> (I) Insert messages | |
| <input checked="" type="checkbox"/> (L) Lookup folders | <input checked="" type="checkbox"/> (P) Post mail | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> (R) Read messages | <input checked="" type="checkbox"/> (C) Create sub-folders | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> (S) Seen flag store | <input checked="" type="checkbox"/> (D) Delete messages | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> (W) Write other flags | <input checked="" type="checkbox"/> (A) Administer folder | | | | | | | | | | | | |
| <input checked="" type="checkbox"/> (I) Insert messages | | | | | | | | | | | | | |

- Max connections -
- Disable Plain Text Authentication -
- Timeouts: Before Authorization - ()
- Timeouts: After Authorization - ()
- Default Rights -
- Lookup folders -
- Read messages -
- Seen flag store -
- Write other flags -
- Insert messages -
- Post mail -
- Create sub-folders -
- Delete messages -
- Administer folder -

"Post"
SMTP:

| | | | |
|---------------------------------|---------------------------------------|---------------------------------|------|
| SMTP | POP3 | IMAP | Post |
| Max connections: | | | |
| <input type="text" value="10"/> | | | |
| Local Host | | | |
| Timeout | | | |
| Days: | Time: | Max Tries: | |
| <input type="text" value="0"/> | <input type="text" value="00.10.00"/> | <input type="text" value="3"/> | |
| Remote Host | | | |
| Timeout | | | |
| Days: | Time: | Max Tries: | |
| <input type="text" value="0"/> | <input type="text" value="01.00.00"/> | <input type="text" value="96"/> | |

- Max connections - SMTP
- Local Host: Timeout -
- Local Host: Max Tries -
- Remote Host: Timeout -
- Remote Host: Max Tries -

4.8.3 DNS

"DNS" (DNS) (relay server). DNS IP , DNS (,).

☒ Use DNS Lookup

DNS IP addresses:
 ...

Max DNS Cache:

UDP DNS Parameters

Timeout (seconds): Max Tries:

Answering Port:

☐ Use Relay Server

Relay Server: Port:

Authorization Type:

User Name: Password:

- Use DNS Lookup - (DNS)
- DNS IP addresses - DNS , DNS. . .
- Max DNS Cache - DNS
- UDP DNS Parameters: Timeout - DNS, UDP
- UDP DNS Parameters: Max Tries - DNS UDP
- UDP DNS Parameters: Answering Port - UDP , DNS
- Use Relay Server -
- Relay Server - SMTP ,
- Port -
- Authorization Type -
- User Name -
- Password -

DNS

DNS



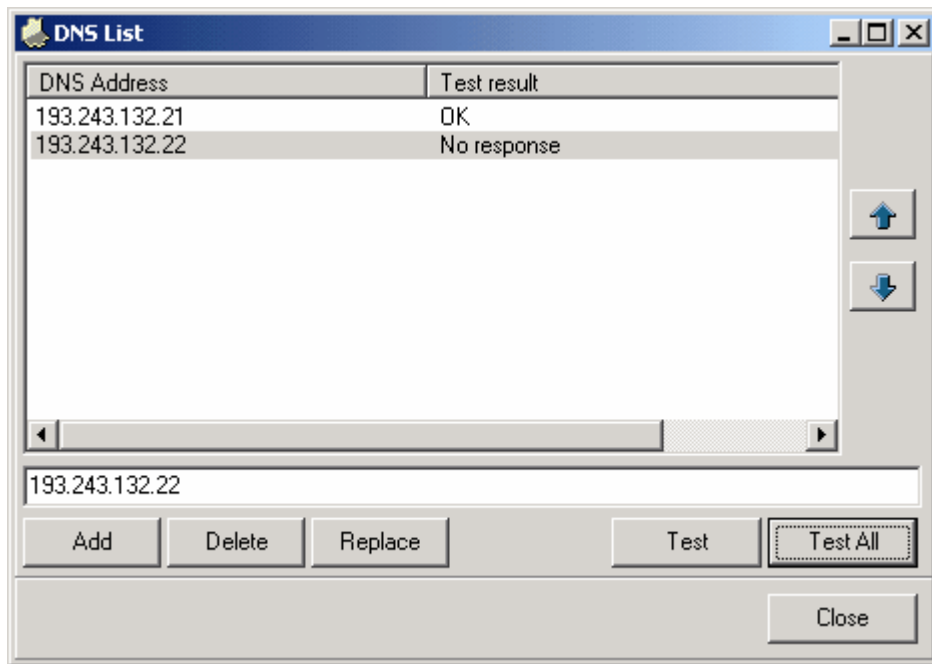
UDP.

TCP

UDP

DNS

:



DNS

DNS

DNS

DNS

DNS

DNS

4.8.4

(log)

"Parameters"

| Parameters | | Splitting | |
|-------------------------------------|---|-------------------------------------|------|
| Log Parameters | | | |
| <input checked="" type="checkbox"/> | Log To File | | |
| <input type="checkbox"/> | Log To DB | | |
| Login ID: | <input type="text" value="LogDBUser"/> | | |
| Password: | <input type="password" value="xxxxxxxxxx"/> | | |
| <input type="checkbox"/> | Halt On Log Error | | |
| Log Sessions | | | |
| <input type="checkbox"/> | POP3 | <input checked="" type="checkbox"/> | SMTP |
| <input type="checkbox"/> | IMAP | <input checked="" type="checkbox"/> | Post |
| | | <input checked="" type="checkbox"/> | RPOP |

- Log To File -
- Log To DB -
- Login ID -
- Password -
- Halt On Log Error -
- Log Sessions: POP3 -
- Log Sessions: SMTP -
- Log Sessions: IMAP -
- Log Sessions: Post -
- Log Sessions: RPOP -
(Remote POP)

```
POP3
SMTP
IMAP
SMTP
POP3
```

- Disabled -
- Daily split -
- Weekly split -
- Split by size -

• Split by size - ()

(2), (2), (2), (2), : (4), (2).

SMTP.LOG) , SMTP (

- SMTP20040207134527.LOG.

"Splitting"

| Parameters | Splitting |
|-------------------|------------------|
| POP3 splitting | |
| Split mode: | Size limit (KB): |
| Daily split | 5000 |
| SMTP splitting | |
| Split mode: | Size limit (KB): |
| Daily split | 5000 |
| IMAP splitting | |
| Split mode: | Size limit (KB): |
| Weekly split | 5000 |
| Post splitting | |
| Split mode: | Size limit (KB): |
| Daily split | 5000 |
| Session splitting | |
| Split mode: | Size limit (KB): |
| Split by size | 5000 |

- POP3 splitting - POP.LOG.
POP3 (
- SMTP splitting - SMTP.LOG.
SMTP (
- IMAP splitting - IMAP.LOG.
IMAP (
- Post splitting - POST.LOG.
SMTP (
- Session splitting - Session.LOG.

4.8.5

"Security"

Server Certificate File:

Server Private Key File:

Private Key Password:

☒ SMTP. Disable Plain Text Authentication

☒ POP3. Disable Plain Text Authentication

☐ IMAP. Disable Plain Text Authentication (LOGINDISABLED)

☐ Use Ephemeral Keying

DH512 File:

DH1024 File:

DH2048 File:

DH4096 File:

- Server Certificate File - , SSL/TLS
- Server Private Key File - , SSL/TLS
- Private Key Password - .
- SMTP. Disable Plain Text Authentication - " "
- POP3. Disable Plain Text Authentication - " "
- IMAP. Disable Plain Text Authentication - " "
- Use Ephemeral Keying - SSL/TLS
- ()
- DH512 File - , 512- -
- DH1024 File - , 1024- -
- DH2048 File - , 2048- -
- DH4096 File - , 4096- -

4.8.6

"Networking"

☐ Local Area Network or manual connection

☒ Use Dial-up Networking Connection Connection to 9022500800

Mode: Use any existing connection

☒ Use Specific Dial-up Settings

User Name: qqq

Password: xxxxxxxxxx

Domain: qqq

Options

Pause between dials (seconds): 60

Maximum number of retries: 3

Timeout between series of dial errors (seconds): 600

Connecting Rules

☐ Connect if number of addressees in the queue exceeds: 100

☐ Connect if there is a message waiting for: Hours 1

Disconnecting Rules

Auto-disconnect after idle time of: Minutes 10

Force disconnect after: Hours 1

- Local Area Network or manual connection -
- Use Dial-up Networking Connection -

"Mode"

- Don't use existing connections -
 - Use only selected connection -
 - Use any existing connection -
-
- Use Specific Dial-up Settings -

- User Name -
- Password -
- Domain -

"Options"

- Pause between deals -
- Maximum number of retries -
- Timeout between series of dial errors -

(spool)

- Connect if number of addressees in the queue exceeds -
- Connect if there is a message waiting for -

- Auto-disconnect after idle time of -

- Force disconnect after -

4.9

"Antispam"

():

| | |
|---|--|
| <input checked="" type="checkbox"/> Back Resolve Sender Host Action If Host doesn't Exist: <div>Report Fault</div> <div>Local: <input type="checkbox"/><input type="checkbox"/><input checked="" type="checkbox"/><input checked="" type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Relay: <input type="checkbox"/><input type="checkbox"/><input checked="" type="checkbox"/><input checked="" type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/></div> | |
| <input checked="" type="checkbox"/> Don't Test Authenticated Users <input type="checkbox"/> Accept Mail for Postmaster Anyway <input type="checkbox"/> Report Permanent Fault (5xx response) | |
| <input checked="" type="checkbox"/> Test with DNS black lists DNS blacklist Hosts: <div>proxies.relays.monkeys.com;blackholes.easynet.nl;list.dsbl.org;bl.thebat.net;relays.ordb.org;bl.spamcop.</div> <div>Perform Test After: MAIL FROM command DNS Timeout (seconds): 15</div> Action If IP in DNS blacklist: <div>Use Flags</div> <div>SMTP connection: <input type="checkbox"/><input type="checkbox"/><input checked="" type="checkbox"/><input checked="" type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Local: <input type="checkbox"/><input type="checkbox"/><input checked="" type="checkbox"/><input checked="" type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/> Relay: <input type="checkbox"/><input type="checkbox"/><input checked="" type="checkbox"/><input checked="" type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/><input type="checkbox"/></div> | |
| <input checked="" type="checkbox"/> Don't Test Authenticated Users <input type="checkbox"/> Accept Mail for Postmaster Anyway <input type="checkbox"/> Report Permanent Fault (5xx response) | |

DNS (MAIL FROM)

- Back Resolve Sender Host -

"Action If Host doesn't Exist"

- No Action -
- Report Fault -

"MAIL FROM"

- Use Flags -

()

- Don't Test Authenticated Users -
- Accept Mail for Postmaster Anyway -
- Report Permanent Fault -

(5xx),

(4xx)

IP

IP

IP

DNS

DNS black-list.

open-relay).

. BatPost

DNS black-list

DNS black-list,

- Test with DNS black list -
- DNS blacklist Hosts -

"Perform Test After"

- Connection -
- MAIL FROM command -
- RCPT TO command -

"MAIL FROM" (

"RCPT TO" (

DNS

IP

- DNS Timeout -

"Action If IP in DNS blacklist"

- No Action -
- Report Fault -

- Use Flags -

- Don't Test Authenticated Users -

- Accept Mail for Postmaster Anyway -

- Report Permanent Fault -

(4xx)

(5xx),

4.10

"Antivirus"

:

☒ Antivirus Enabled

INI-File
 Plugins Settings...

Message Receiving
 Suspicious Messages: ▼
 Infected Messages: ▼

Local Delivering
 Marked as Suspicious: ▼
 Marked as Infected: ▼
 Folder for Suspicious:
 Folder for Infected:

Remote Delivering
 Marked as Suspicious: ▼
 Marked as Infected: ▼

Temporal Black List
☐ Test IP address
 Max Virus Send Allowed:
 Timeout
 Days: Time:

Attachments Test
☒ Test after receiving (bytes)
 Treat As Suspicious:
 Treat As Infected:

- Enabled -
- INI-File -
- Message Receiving: Suspicious Messages -
- Message Receiving: Infected Messages -

:

- Break Connection -
- Discard Message -
- Mark Message - (as Suspicious)
- Mark Message - (as Infected)

"Local Delivering"

:

- Marked as Suspicious -
- Marked as Infected -
- Folder for Suspicious -

- Folder for Infected -

:

- Leave Intact -
- Don't Deliver -
- Move to Folder -

"Remote Delivering"

:

- Marked as Suspicious -
- Marked as Infected -

:

- Leave Intact -
- Don't Deliver -

,

"

"

IP

(MAIL FROM)

"Temporal Black List"

"

":

- Test IP address -

IP

,

,

(MAIL FROM)

- Max Virus Send Allowed -

"

"

- Timeout -

"

"

,

,

"Attachments"

Test"

:

- Test after receiving -
- Treat As Suspicious -
- Treat As Infected -

,

4.11 ()

"Access lists"

:

- " " - ,
- " IP- ,
- " " - ,
- IP- ,
- - IP- ,
- " " " " . . .

4.11.1

"

"

"Black Lists"

"

"

:

- Address - (RCPT TO) (MAIL FROM)
- Host -
- IP - IP-

:

Pattern:

- Pattern - IP- ,

4.11.2

"

"

"White Lists"

"

"

:

- Address - (RCPT TO) (MAIL FROM)
- Host -
- IP - IP-

:

Pattern:

- Pattern - IP- ,

4.11.3

"Advanced rulesets"

IP/Host RS default levels

SMTP:

POP3:

IMAP:

Local:

Relay:

☒ Use IP/Host RS result in the future checks

Address RS default levels

Local:

Relay:

☒ Use MAIL FROM test result in the future checks

☐ Use if sender (MAIL FROM) is local

Local:

Relay:

If SMTP authentication was done

Local:

Relay:

- IP/Host RS default levels - IP-

SMTP

POP3

IMAP
- Use IP/Host RS results in the future checks - IP-
- Address RS default level -

Local

Relay
- Use MAIL FROM test result in the future checks - (MAIL FROM)
- Use if sender (MAIL FROM) is local -

- Local -
- Relay -

"If SMTP authentication was done"

- Local -
- Relay -

"Address rules"

Pattern:

Test

☐ (R) Reverse path (MAIL FROM)

☐ (F) Forward path (RCPT TO)

Local: ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐ Relay: ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐

Error string:

- Pattern -
- Test: (R) Reverse path (MAIL FROM) -
- Test: (F) Forward path (RCPT TO) -
- Local -
- Relay -
- Error string -

"IP/Host rules"

IP-

Pattern:

☐ Test as IP address

SMTP: ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐ Local: ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐

POP3: ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐ Relay: ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐

IMAP: ☐ ☐ ☐ ☐ ☐ ☐ ☒ ☐ ☐ ☐

Error string:

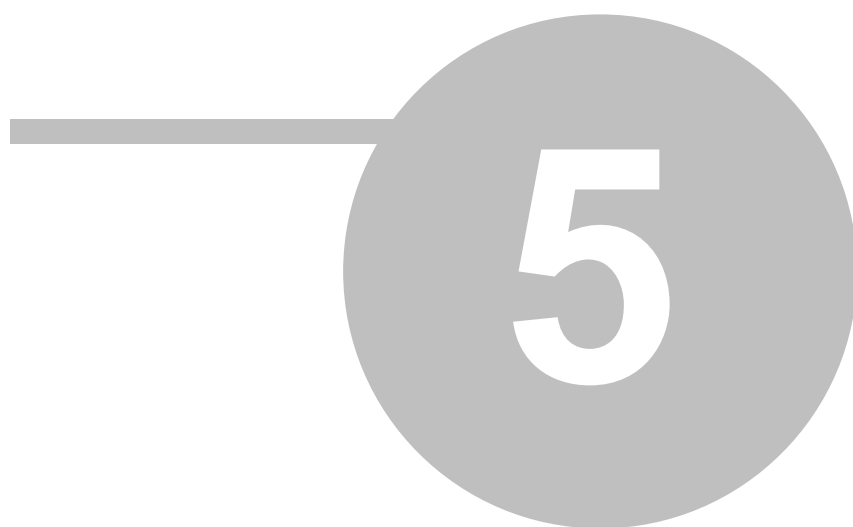
- Pattern -
- Test as IP address -

- SMTP -
- POP3 -
- IMAP -
- Local -
- Relay -
- Error string -

SMTP
POP3
IMAP

(

,



5

, "BatPost", "The Bat!".
PCRE.

5.1

()

, , , .
, , .
, .
Jones, , b (Bell, b Bob. , , bovine, above, Bobby Bob
, , b+ , b
b. b, b*
, b, ,
Bobby. , Bob*y Boy, Boby Bobby,

5.1.1

^fool ^ fool foolhardy, tomfoolery April fool.

| | | | |
|----|-----------|------------|---------|
| ^ | ^fool | Foolish | Tomfo |
| \$ | fool\$ | April fool | olery |
| \b | be\b side | be side | Foolish |
| \B | be\B side | Beside | Beside |
| | | | be side |

5.1.2

"." (), "b.",

| | | | |
|-----|---|------------|----------|
| (.) | , | b.b | Bob |
| | | ^[Bb] | Bob, bob |
| | , | ^a(b.b)c\$ | Abobc |

5.1.3

| | | | | |
|-----|---|---|---|-----|
| "+" | , | b | - | b+. |
|-----|---|---|---|-----|

| | | | | | |
|-------|---|---------|----------|-------------|------------------|
| * | | | ab*c | ac, abc | abb |
| + | | | ab+c | Abc | ac |
| ? | | | ab?c | ac, abc | abbc |
| {n} | n | | ab{2}c | Abbc | abb bc |
| {n,} | | n | ab{2,}c | abbc, abbbc | abc |
| {n,m} | | n, m | ab{2,3}c | Abbc | abb bbca t |

5.1.4

| | | | |
|---|---|-----|-----|
| (| - | \n, | C). |
|---|---|-----|-----|

| | | | | |
|----|---|------|------|------|
| \d | | b\dd | b4d | Bad |
| \D | - | b\Dd | bdd | b4d |
| \n | | | | |
| \r | | | | |
| \t | | | | |
| \f | | | | |
| \s | | | | |
| \S | | | | |
| \w | - | a\wb | a2b | a^b |
| \W | - | a\Wb | aa^b | Aabb |

5.1.5 Escape-

```
escape-  
"\":  
:  
  
,  
.  
  
,  
.  
  
-  
  
X  
  
C  
  
:<Ctrl+G>. : \x3e  
: \cG  
: \&
```

5.2

Perl- (PCRE).

Perl 5.005. PCRE.
Perl 5 :

<http://www.perl.com/CPAN-local/doc/manual/html/pod/perlre.html>

PCRE,

Philip Hazel <ph10@cam.ac.uk>,
University of Cambridge Computing Service, Cambridge, England.
Phone: +44 1223 334714.
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Perl

Mastering Regular Expressions

by Jeffrey E. Friedl (Editor), Andy Oram (Editor)
ISBN 1-56592-257-3

5.2.1

The quick brown fox

| | | |
|----|---------|-----|
| \ | escape- | |
| ^ | (|) |
| \$ | (|) |
| . | | () |
| [| | |
| | | |
| (| | |
|) | | |
| ? | "(" 0 1 | |
| * | 0 | |
| + | 1 | |
| { | | |


```
\                                escape-
^                                ,
-
]
```

5.2.2 "\" (backslash)

escape-

(backslash)

"\"

PCRE_EXTENDED,

"#"

:"\" \"\"#"

escape-

:"

\a BEL (hex 07)

\cx "Ctrl-x", x

\e Escape (hex 1B)

\f (hex 0C)

\n (hex 0A)

\r (hex 0D)

\t (hex 09)

\xhh hh

\ddd ddd,

"\cx" : "x" -

"\cz" hex 7B, hex 1A, "\c{" 6- (hex 40) hex 3B, "\c;"

"\x"

"0"
 "\0\x07"
 (BEL).
 PCRE
 10,
 9
 PCRE
 8
 :
 \040
 \40 32
 \7
 \11
 \011
 \0113 "3"
 \113 113 (99
 \377)
 \81 "8" "1"
 100
 (backspace) hex 08.
 ("b"
 :
 \d
 \D
 \s
 \S
 \w
 \W
 escape- ()

escape-
 " " - " " Perl.
 PCRE
 128
 \w.
 \b
 \B
 \A ()
 \Z ()
 \z ()
 \b
 (backspace).
 \w \W (\w,
 \W).
 \w.
 \A, \Z, \z "^\\$"
 PCRE_NOTBOL PCRE_NOTEOL. \Z \z \z
 \z

5.2.3 "^\\$"

"^\\$"
 ()
 "^\\$"
 "^\\$"

```

("anchored").
"
"$" -
,
,
(
).
.
.
.
PCRE_DOLLAR_ENDONLY.
"Z".
PCRE_MULTILINE.
"ln",
^abc$
def
abc
"
"
PCRE_DOLLAR_ENDONLY
PCRE_MULTILINE.
"V", "Z" "z"
"V",
PCRE_MULTILINE

```

5.2.4 "."

```
" "
    .
    ,
    )
    PCRE_DOTALL,
    " "
    "A" "$",
    " "
```

5.2.5 "[" "]"

[illegible]

. , "A"
 , ,
 ,
 .
 ,
 (,). , ,
 [aeiou] "A"
 "A", "a", [^aeiou]
 .
 , PCRE_DOTALL PCRE_MULTILINE. ,
 [^a]
 .
 " "
 [d-m] "d" "m"
 " "
 "\" ,
 ,
 .
 "J"
 [W-]46] "W" "-"
 "46]" "W46]" "-46]" ,
 "J" "\" ,
 [W-\\]46]
 ,
 .
 "J".
 ASCII.
 : [\\000-\\037].
 [W-c] [\\^`wxyzabc]
 .
 \\d, \\D, \\s, \\S, \\w \\W
 [\\dABCDEF] "A"
 ,
 , , [^\\W_] ,
 " " .
 " " - , "\" , "-" "A" (,) ,
 "J" ,
 "\" .

5.2.6 "|"

"|"

gilbert|sullivan
 "gilbert" "sullivan"

5.2.7

PCRE_CASELESS, PCRE_MULTILINE, PCRE_DOTALL PCRE_EXTENDED
Perl.

:"(? " ").

```

i    PCRE_CASELESS
                                           Perl - /i.
m    PCRE_MULTILINE
                                           , PCRE
                                           (
                                           " ("^")
                                           " ("$$")
                                           (
                                           PCRE_DOLLAR_ENDONLY).
                                           PCRE_MULTILINE
                                           " " " "
                                           ,
                                           Perl -/m.
                                           "\n"
                                           "^^" "$"
                                           PCRE_MULTILINE
s    PCRE_DOTALL
                                           " ."
                                           ,
                                           - /s .
                                           Perl
                                           ["^a"]
x    PCRE_EXTENDED
                                           " "
                                           "\ "
                                           "#"
                                           (
                                           Perl - /x
                                           )
                                           "?(("
                                           ,
                                           , (?im)
                                           " "
                                           ( ?im-sx)
                                           PCRE_CASELESS PCRE_MULTILINE
                                           PCRE_DOTALL PCRE_EXTENDED.
                                           " "
                                           ,
                                           (
                                           ),
                                           :
                                           (?i)abc

```

a(?i)bc
ab(?i)c
abc(?i)

PCRE_CASELESS. **abc**

(
 ").

Perl 5.005.

(a(?i)b)c

"abc" "aBc"

(PCRE_CASELESS

(a(?i)b|c)

"ab", "aB", "c" "C",

"C"

PCRE: PCRE_UNGREEDY PCRE_EXTRA,
 Perl.

"U" "X"

(?X)

5.2.8

1.

cat(aract|erpillar|)

: "cat", "cataract" "caterpillar".
 "cataract" "erpillar"

2.

1. "the red king"

the ((red|white) (king|queen))

"red king", "red" "king"

, 1, 2 3.

"?:",

"the white queen"

the ((?:red|white) (king|queen))

"white queen" "queen"

, 1 2.

99,

200.

`"?"` `"."`
`(?i:saturday|sunday)`
`(?:(?i)saturday|sunday)`
`"Saturday".` `"SUNDAY"`

5.2.9

`:`
`"\"`
`"."`
`(` `)`
`(` `)`
`65536`
`z{2,4}`
`"zz", "zzz" "zzzz".`
`[aeiou]{3,}`
`\d{8}`
`{6}`
`{0}`
`(` `)`
`*` `{0,}`
`+` `{1,}`
`?` `{0,1}`
`(a?)*`
 Perl PCRE

"/*" "*/"

"/".

^.**/

/* first command */ not comment /* second comment */

," - "

" *"

,"

"?".

,"

^.*?*/

C.

,"

"?"

:

\d??\d

,

,,

PCRE_UNGREEDY (Perl),

,"

,

1

,

,

Perl - /s) ".{0,}" PCRE_DOTALL (

,"

" (anchored).

, PCRE

"\A".

,

PCRE_DOTALL,

"^"

,"

,"

,"

(tweedle[dume]{3}\s*)+

"tweedledum tweedledee",

"tweedledee".

,

,

,

(a|(b))+

"aba",

"b".

5.2.10

`0 (, , ')` `"\"`
`.` `,` `,`
`.`
`.`
`10,`
`.`
`,` `10,`
`.`
`,`
`(sens|respons)e and \1ibility`
`"sense and sensibility" "response and responsibility",`
`"sense and responsibility".`
`((?i)rah)\s+\1`
`"rah rah" "RAH RAH", "RAH rah",`
`.`
`.`
`(a|(bc))\2`
`"a", "bc".`
`99`
`.`
`PCRE_EXTENDED,`
`"` `"`
`.`
`(a\1)`
`(a|b\1)+`
`"a", "aba", "ababaa"` `.` `.`
`.`
`.`
`0.`

5.2.11

`-`
`:` `\b, \B, \A, \Z, \z, ^` `$`
`.`
`:`
`(` `)`
`(` `).`

|| _____ ||

5.2.12

```

123456bar      \d+foo
               \d
               "foo",
               "foo".
               "(?>".
(?>\d+)bar
" (anchored)
"\d+" "\d+?"
"(?>\d+)"
abcd$
, PCRE
"a"
^.*abcd$
" *"
"a"
^(?>.*)(?<=abcd)
" *"

```

5.2.13

```

(? (condition) yes-pattern)
(? (condition) yes-pattern | no-pattern)
    (condition) , "yes-pattern",
    "no-pattern" ( ).

```

```

" " ( PCRE_EXTENDED ),
:
( \ )? [^()]+ (?(1) \ )

```

```

"yes-pattern" ,
"no-pattern" ,

```

```

(condition)

```

```

"(?=[^a-z]*[a-z])
\d{2}[a-z]{3}-\d{2} | \d{2}-\d{2}-\d{2} )

```

```

: "dd-aaa-dd" "dd-dd-dd", "aaa" - , "dd" -

```

5.2.14

```

" (?#"
" )".

```

```

PCRE_EXTENDED, "#"

```

5.2.15

```

[aeiou]          (a|e|i|o|u).
Jeffrey Friedl'

" *"          PCRE_DOTALL          , PCRE
PCRE_DOTALL          , PCRE
" "
"first\nand second" ( "n" -          ),
"and".          , PCRE

PCRE_DOTALL,          ^.*

```

5.2.16

PCRE

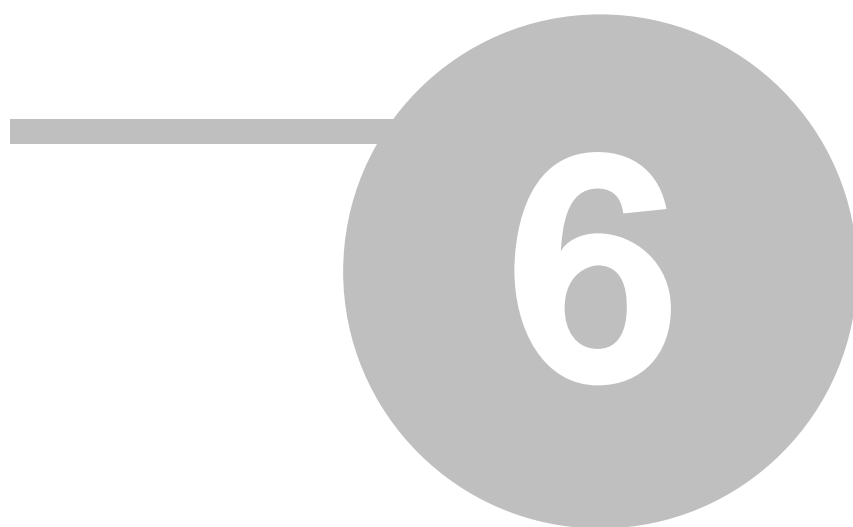
5.2.17

```

Perl
    ,
    ,
    Perl 5.005.
1.
    "
    "
    C isspace,
    isspace
PCRE
    . Perl 5
    "
    ". Escape-
    Perl,
    "lv",
    "
    "
    5.002.

```

- 5.004 5.005 "s".
2. PCRE . Perl , , ,
 , "a". (?!a){3} , ,
 "a". ,
3. , ,
 . Perl ,
 , (,
). ,
4. C , ,
 , escape- "0".
5. escape- Perl: \l,
 \u, \L, \U, \E, \Q. Perl
6. Perl: \G,
7. , PCRE (?{code}).
8. Perl 5.005_02
 ,
 "aba" ,
 "b", "^(a(b)?)+\$" \$2
 "aabbaa" "^(aa(bb)?)+\$" \$2
 "^(aa(b(b)?)+\$)", \$2 (\$3)
 Perl 5.004 \$2
 PCRE. Perl
 , PCRE
9. Perl, "^(a)?(? (1)a|b)+\$" Perl 5.005_02
 PCRE "a", PCRE -
 "^(a)?a" "a" \$1
10. PCRE Perl:
 •
 Perl 5.005
 • PCRE_DOLLAR_ENDONLY , PCRE_MULTILINE
 " \$"
 • PCRE_EXTRA,
 • PCRE_UNGREEDY, " " " " ,
 " "



6

6.1

- 1.
- 2.
- 3.

-
-
-
-
-

SMTP
POP3
IMAP

E1, D1, ..., E3, D3.

0 (Enable) 3 (Disable).

(): E0, D0,

: Flags.

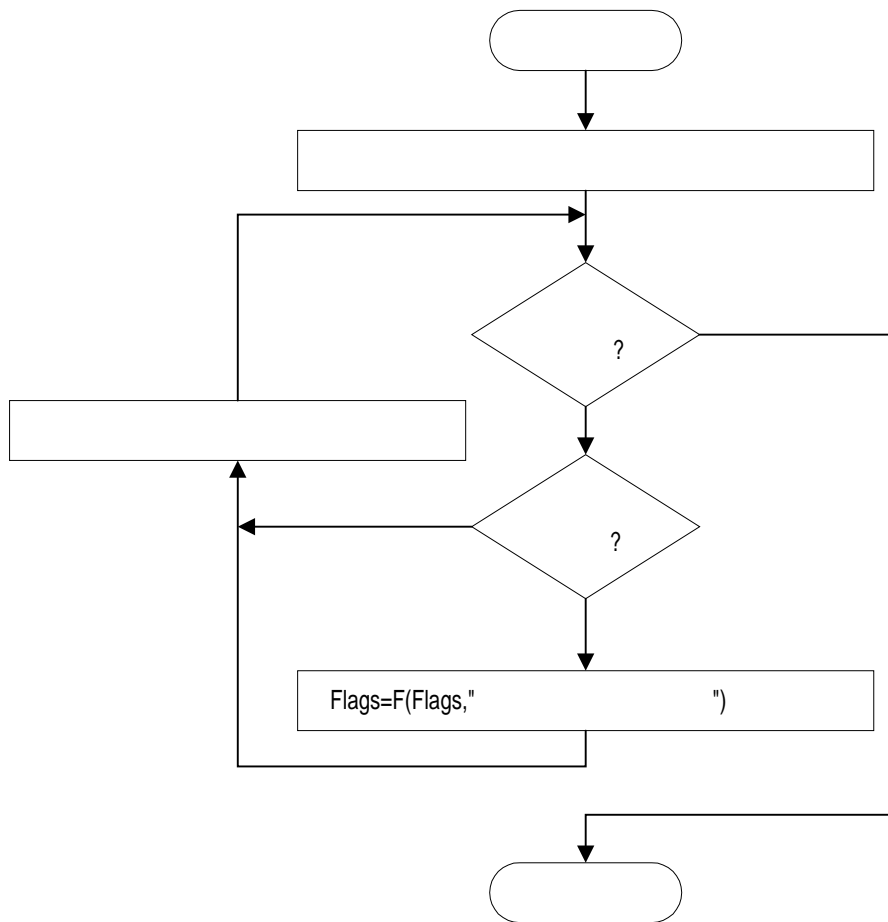
f(x,y)

| | E0 | E1 | E2 | E3 | D0 | D1 | D2 | D3 |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| E0 | E0 | E1 | E2 | E3 | D0 | D1 | D2 | D3 |
| E1 | E1 | E1 | E2 | E3 | E1 | D1 | D2 | D3 |
| E2 | E2 | E2 | E2 | E3 | E2 | E2 | D2 | D3 |
| E3 | E3 | E3 | E3 | E3 | E3 | E3 | E3 | D3 |
| D0 | D0 | E1 | E2 | E3 | D0 | D1 | D2 | D3 |
| D1 | D1 | D1 | E2 | E3 | D1 | D1 | D2 | D3 |
| D2 | D2 | D2 | D2 | E3 | D2 | D2 | D2 | D3 |
| D3 | D3 | D3 | D3 | D3 | D3 | D3 | D3 | D3 |

f(x,y)

$F(X,Y), \quad X,Y -$

(RS - ruleset)



Flags ,

(perl).

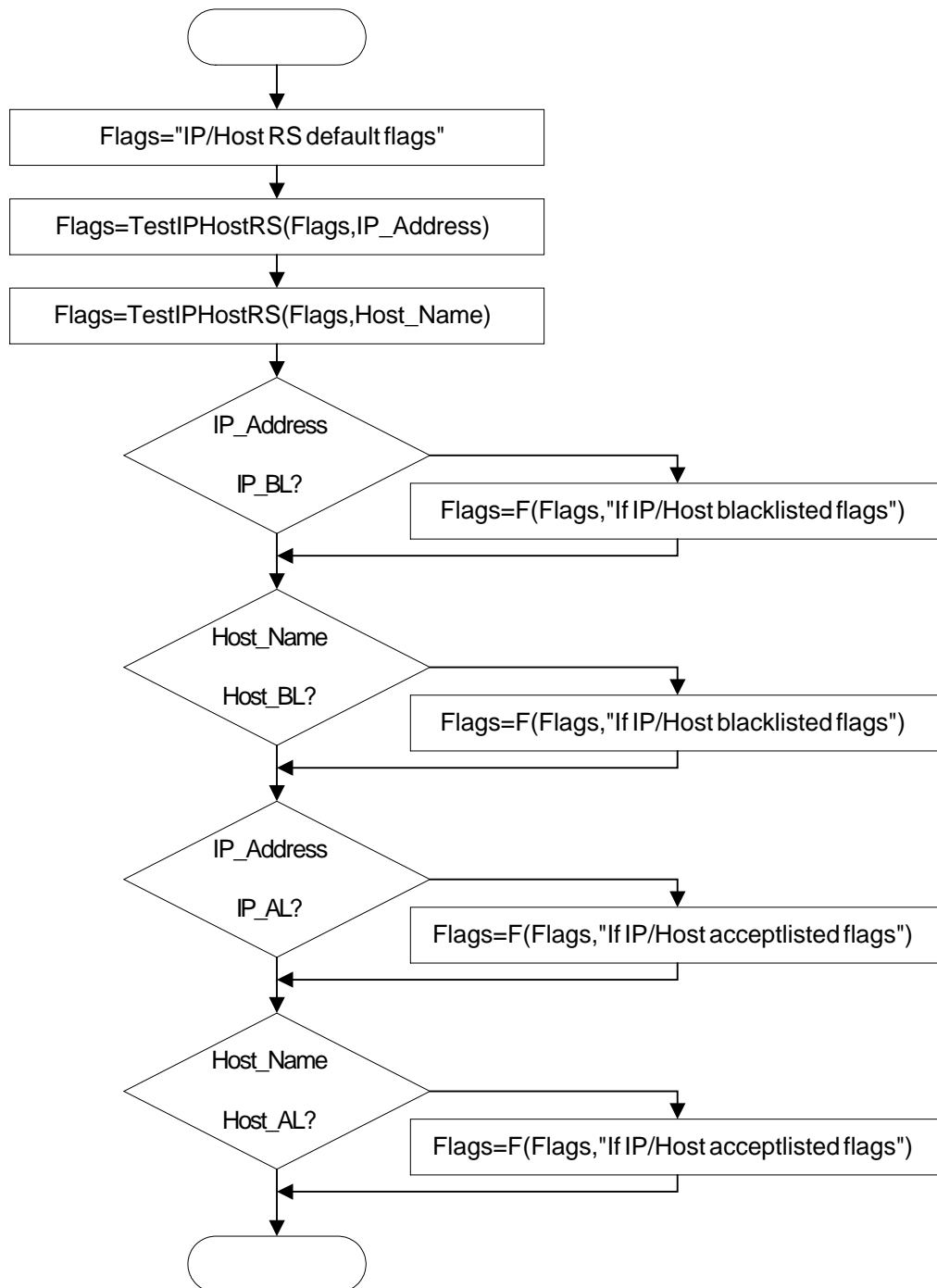
Flags

: TestIPHostRS(Flags,String)

String "IP/Host RS" TestAddressRS(Flags,String)

String "Address RS".

6.2

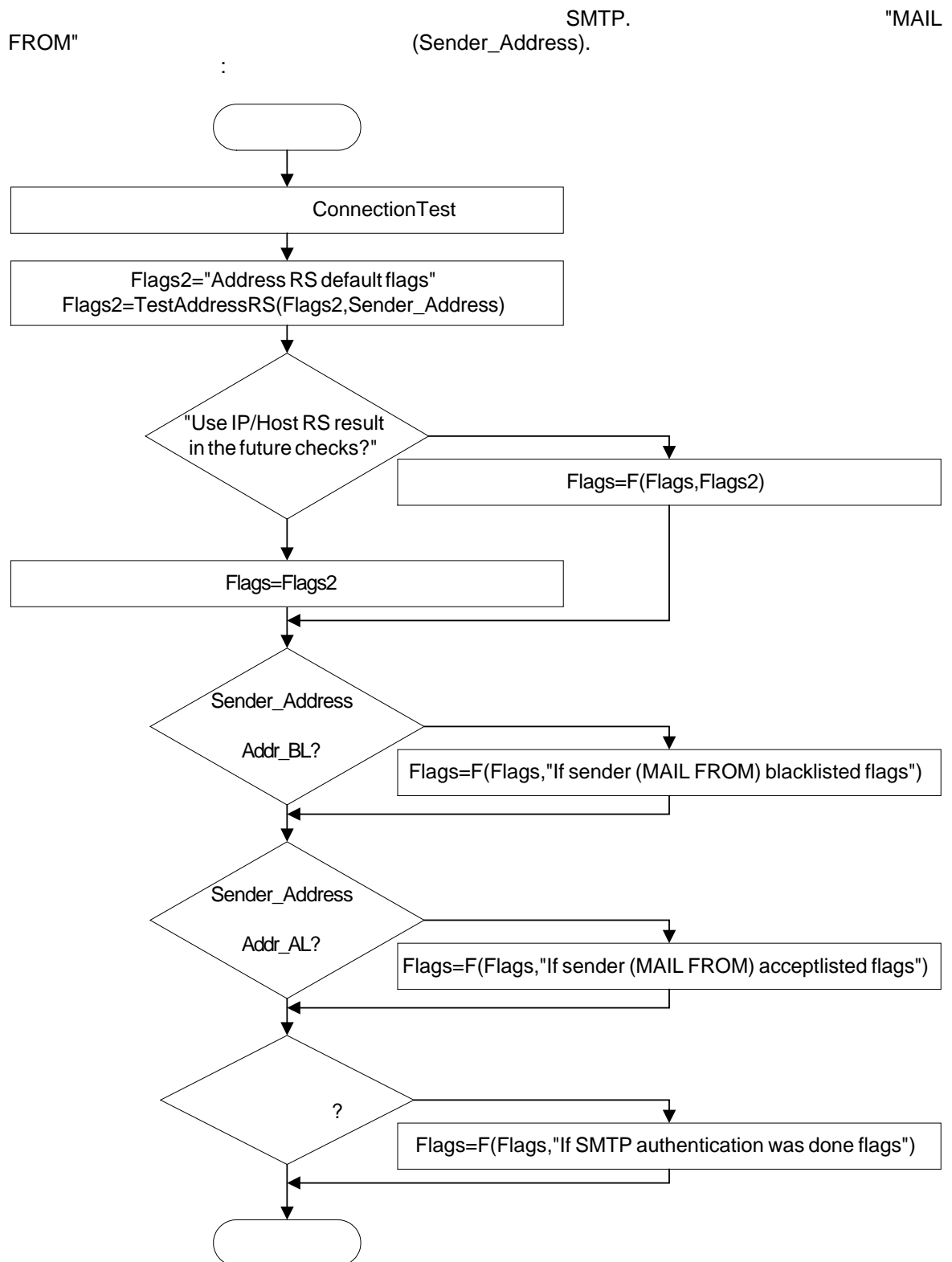


Flags

: "ConnectionTest".

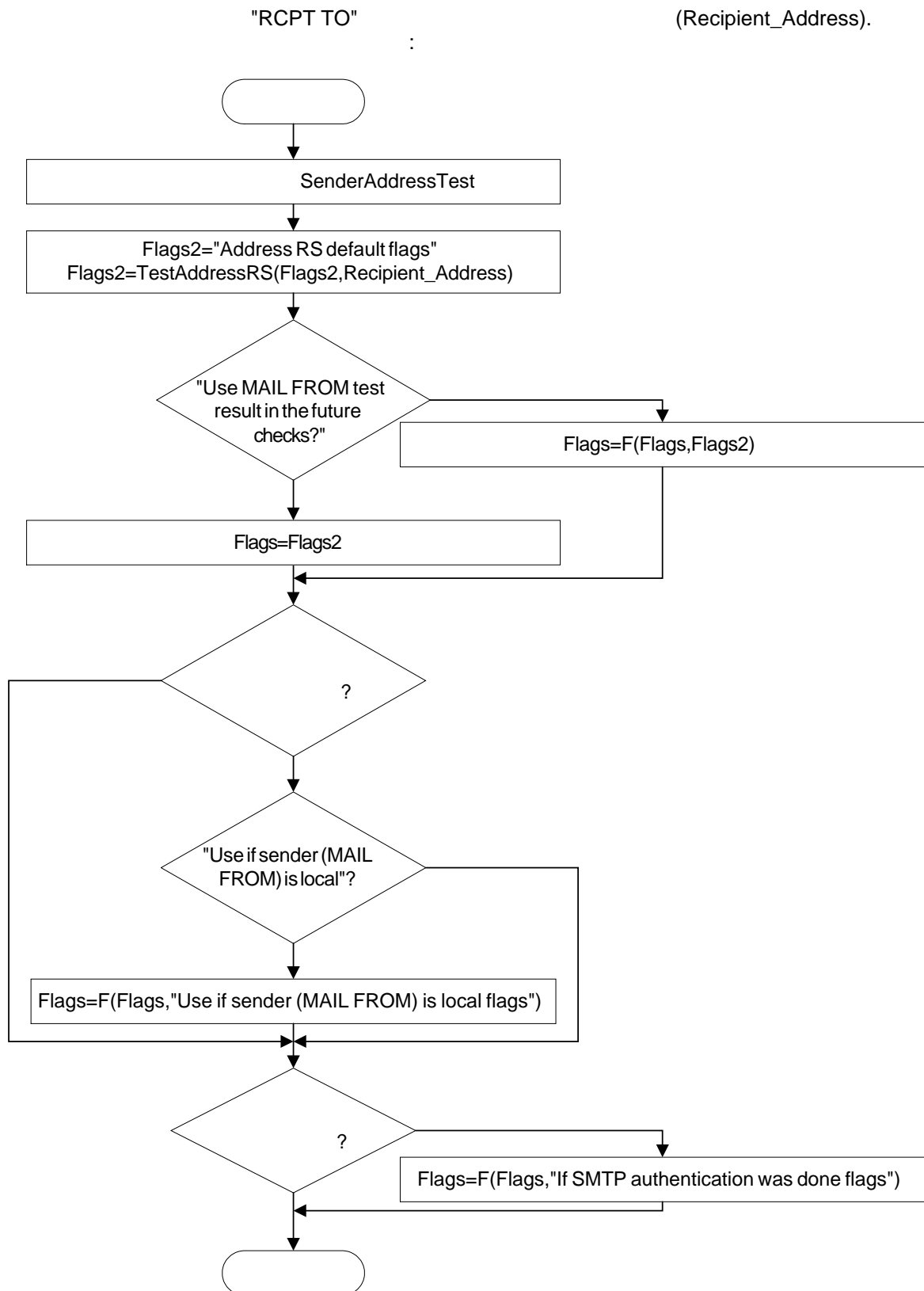
(greeting)

6.3



· ,
·
: "SenderAddressTest".

6.4



' ' ' .



7

7.1

POP3 IMAP

SMTP

(relay)

CRAM-MD5,

•

• - CRAM-MD5

•

• IP-

• /

POP3

"111.111.111.X", X -

"Disable 0".

"IP/Host RS" : POP3

"Test as IP address" POP3

POP3

POP3

"222.222.222.222", POP3

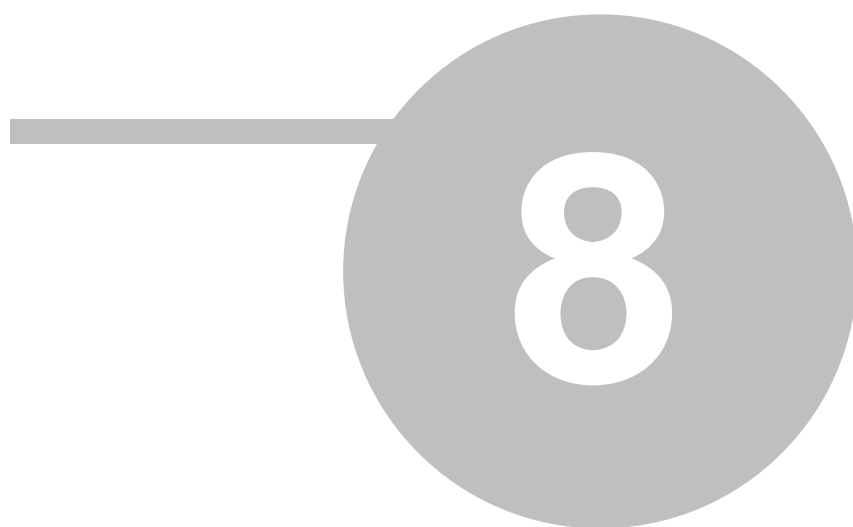
"IP AL" (IP acceptlist). "If

IP/Host acceptlisted flags" POP3 1

(E1,E2,E3) "IP AL" (Pattern) "^222\.\222\.\222\.\222\$".

POP3

"222.222.222.222".



8.1

- BatPost.exe -
- BatPostD.exe -
- BatPostC.exe -
- rConfig.exe -
- BatPostM.exe -
- Server.ini -
- Monitor.ini -
- DB -
- Drivers -
- Logs -
 - ERROR.LOG -
 - POP.LOG -
 - POST.LOG -
 - LPost.LOG -
 - Session.LOG -
 - SMTP.LOG -
 - DrvErr.LOG -
 - AppErr.LOG -
 - BatPostLog.mdb -
- Spool -

8.2

```
(domains.cfg), (users.cfg). (folders.cfg).
```

IMAP' ,
 "xxxxxxx.cfg", x -
 "lfr".

8.3

- (, blacklist' acceptlist').
- ruleset1.cfg (IP/Host RS) - IP- MAIL FROM
 - ruleset2.cfg (Address RS) - RCPT TO
 - IP_BL.cfg - blacklist IP-
 - Host_BL.cfg - blacklist
 - Addr_BL.cfg - blacklist MAIL FROM
 - IP_AL.cfg - acceptlist IP-
 - Host_AL.cfg - acceptlist
 - Addr_AL.cfg - acceptlist MAIL FROM

Enable, Disable 0 3.

Disable.

: Enable 0, Disable 0, Enable 1, Disable 1, Enable 2, Disable 2, Enable 3, Disable 3.

IP- IP/Host RS.
 , IP-
 blacklist' acceptlist' .
 IP/Host RS blacklist acceptlist.
 SMTP.
 (MAIL FROM) Address RS
 blacklist acceptlist.
 (RCPT TO) Address RS.
 relay'

" " ' .
" " ' .

Disable 3