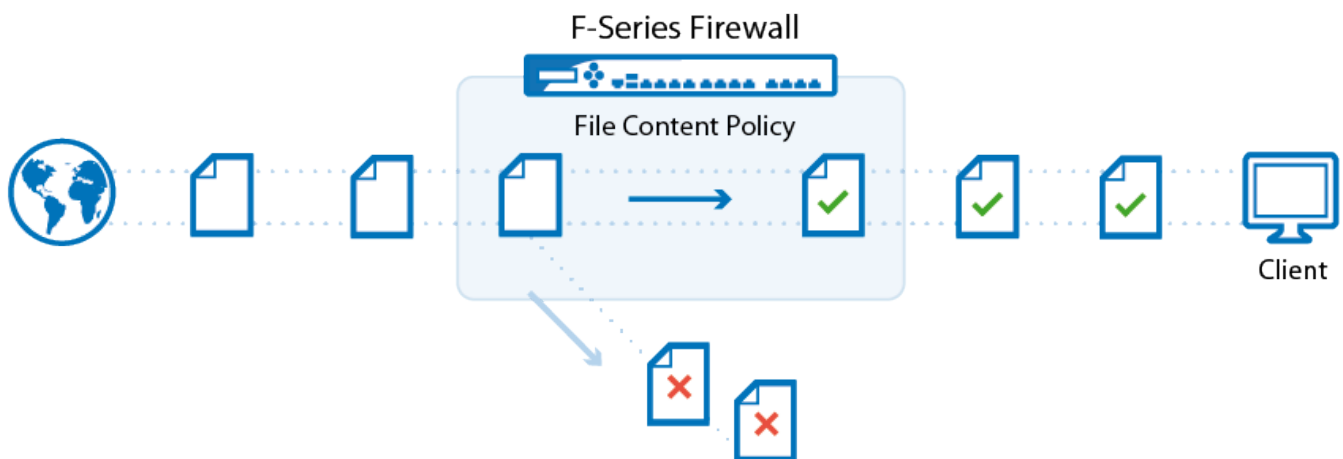


## File Content Filtering in the Firewall

<https://campus.barracuda.com/doc/46209236/>

The F-Series Firewall offers real-time file content filtering for HTTP, HTTPS, FTP, SMTP, and SMTPS connections. File content policies are evaluated and executed only if the feature is enabled in the matching access rule and the file content policy object is included in the matching application rule. If a file is blocked due to a file content policy, the user will see the following behavior, depending on what type of connection is blocked:

- **HTTP** – Redirect to a customizable block page or connection reset is possible, depending on which Application Control features are used.
- **HTTPS** – Redirect to the customizable content block page. For more information, see [How to Configure Custom Block Pages and Texts](#).
- **FTP** – Connection is reset.
- **SMTP / SMTPS** – Attachment is replaced by an attachment containing a customizable text. For more information, see [How to Configure Custom Block Pages and Texts](#).



### In this article

## File Content Policy Objects

File content policy objects contain a list of policy rules that block or allow the file transfer. Each policy rule defines a set of criteria that can be combined with either a Boolean AND or OR. You can prioritize file transfers by changing the assigned QoS band for the duration of the transfer. Depending on the selected action, matching file transfers are allowed or blocked, with or without logging:

- **Allow** – Allow file transfer, log the traffic, and show file content information in Firewall Live, History, or Monitor.
- **Alert** – Allow the file transfer and silently log traffic. Do not show file content information in Firewall Live, History, or Monitor.
- **Block** – Block the file transfer, log the traffic, and show file content information in Firewall Live, History, or Monitor.
- **Do not log** – Allow the transfer, but do not log. Do not show file content information in Firewall Live, History, or Monitor.

If the file content policy object contains multiple policy rules, they are evaluated from top to bottom. The action of the first matching rule is executed. If none of the policy rules match, the default action of the policy action is carried out. Definitions for new file content types are updated regularly via Energize Updates.

For more information, see [How to Create File Content Policies](#).

## Content Filtering in the Firewall

---

To use the content filter policies, you must create an access rule matching your HTTP, HTTPS, FTP, SMTP, and/or SMTPS traffic and enable Application Control, File Content Scan, and, optionally, SSL Interception. The content policy objects are added to the application rule. The file content policy is evaluated only when the application rule matches and a file transfer is detected. If the QoS band is adjusted in the file content policy rule, the change is active only for the duration of the file transfer. Files transferred with chunked encoding set in the HTTP header are not filtered.

For more information, see [How to Configure File Content Filtering in the Firewall](#).

## Figures

1. file\_content\_policy.png

© Barracuda Networks Inc., 2019 The information contained within this document is confidential and proprietary to Barracuda Networks Inc. No portion of this document may be copied, distributed, publicized or used for other than internal documentary purposes without the written consent of an official representative of Barracuda Networks Inc. All specifications are subject to change without notice. Barracuda Networks Inc. assumes no responsibility for any inaccuracies in this document. Barracuda Networks Inc. reserves the right to change, modify, transfer, or otherwise revise this publication without notice.