

## How to Configure Session Tracking

<https://campus.barracuda.com/doc/17629556/>

### Session Tracking

A Session refers to all requests a single client makes to a server. A session is specific to a user. For each user, a new session is created to track all requests from that user. Every user has a unique session identified by a unique session identifier. Session Tracking enables the Barracuda Load Balancer ADC to limit the number of sessions originating from a particular client IP address in a given interval of time. Limiting the session generation rate by client IP address helps prevent session-based Denial of Service (DoS) attacks. To configure Session Tracking go to the **SECURITY > Advanced Security** page, scroll to **Session Tracking**, and click **Edit** in the **Options** column.

You can specify the following session protection options:

- **New Session Count** - Maximum number of new sessions allowed per IP address; Range: 1 - 65535; Default: 10.
- **Interval** - Time in seconds for which the number of sessions from the same client cannot exceed the **New Session Count** setting; Range: 1 - 6000 seconds; Default: 60.
- **Status** - Set to *On* to enable session tracking.
- **Session Identifiers** - The token type used to recognize sessions. Choose from the list, or see **Configuration of Session Identifiers** to add a Session Identifier.
- **Exception Clients** - List clients which are exempted from this protection. IP address ranges should be separated by a "-" (hyphen). Multiple ranges or IP addresses can be listed with "," (comma) separation. The list should not contain overlapping IP address ranges.

When you have finished configuring these options, click **Save**.

### Configuration of Session Identifiers

Configuring session identifiers allows the Barracuda Load Balancer ADC to recognize session information in requests and responses.

To create a new session identifier, perform the following steps:

1. Go to the **SECURITY > Libraries** page and scroll to the **Session Identifiers** section.
2. Locate the desired identifier and click **Edit**, or to add a new identifier, click **Add Session Identifier**.
3. Enter or modify the session **Identifier Name**. This name will appear in the list of Session

Identifiers from which you choose when you configure **Session Tracking**.

4. Enter or modify the following session token parameters.
  - **Token Name**
  - **Token Type**
  - **Start Delimiter**
  - **End Delimiter**
5. Newly added or edited Session Identifiers appear in the Session Identifiers list on the **Edit Session Tracking** page on the **SECURITY > Advanced Security** page in the **Session Tracking** section.

The following example shows how to enable the Barracuda Load Balancer ADC to extract the Session ID **12345** from session identifier: "JSESSIONID=12345;"

- **Token Name** - JSESSIONID
- **Token Type** - Parameter
- **Start Delimiter** - =
- **End Delimiter** - ;

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