

### 例3-5 HTTP Source的XML处理程序

```
package usingflume.ch03;

/**
 * A handler for the HTTP Source that accepts XML-formatted data.
 * Each event can contain multiple header nodes,
 * but exactly one body node. If there is
 * more than one body tag, the first one in the event is picked up.
 */
public class HTTPSourceXMLHandler implements HTTPSourceHandler {

    private final String ROOT = "events";
    private final String EVENT_TAG = "event";
    private final String HEADERS_TAG = "headers";
    private final String BODY_TAG = "body";

    private final String CONF_INSERT_TIMESTAMP = "insertTimestamp";
    private final String TIMESTAMP_HEADER = "timestamp";

    private final DocumentBuilderFactory documentBuilderFactory
        = DocumentBuilderFactory.newInstance();

    private final ThreadLocal<DocumentBuilder> docBuilder
        = new ThreadLocal<DocumentBuilder>();

    private boolean insertTimestamp;

    @Override
    public List<Event> getEvents(HttpServletRequest
        httpServletRequest) throws HTTPBadRequestException, Exception {
        if (docBuilder.get() == null) {
            docBuilder.set(documentBuilderFactory.newDocumentBuilder());
        }
        Document doc;
        final List<Event> events;
        try {
            doc = docBuilder.get().parse(
                httpServletRequest.getInputStream());
            Element root = doc.getDocumentElement();
            root.normalize();

            // Verify that the root element is "events"
            Preconditions.checkState(
                ROOT.equalsIgnoreCase(root.getTagName()));
        } catch (Exception e) {
            throw new HTTPBadRequestException("Invalid XML format", e);
        }
        return events;
    }
}
```