Döcu Content

NotesLog Data Conversion

JavaAgent

TXT File to Browser

Introduction:
Throw NotesLog Errors to your Browser as TXT file to complete troubleshooting, fixing for your users; item that can be used to compare current or older App errors against researched efforts rendered, or time spent by developers on the Internet; should help save time and effort buidling applications.

Disclaimer:
Information contained in the following is presented as is. This tutorial assumes you have basic Lotus Notes Configuration knowledge, and are familiar with Google products.

Create TXT File to Browser

Use below JavaAgent to create a TXT file to your browser containing NotesLog data... you could add an alias with a .txt extension to facilitate picking it up elsewhere in your Apps, or run as main JavaAgent.

Here are the Steps, see screenshots for areas of interest
1. Grab a copy of code below and pop it into your App
2. Change search Strings in your code to match items in your current NotesLog
3. Modify your Agent Properties to reflect preferred alias name, with a .txt extension
4. Example: http://localhost/docucontent.nsf/javaagentnoteslogcsvdataforsites.txt , run it @ once in your Browser

Copy and Paste JavaAgent

NotesLogEventListProcessingForCSV;

```
/**
 * Created: 2014.01.12.7.06.AM
 * NotesLogEventListProcessing
 * NotesLog items to be converted to TXT/CSV/XML data for Xpages
 */
import lotus.domino.*;

import java.io.PrintWriter;
import java.util.*;

/**
 * @author Dököll Solutions, Inc.
 * @version 2014.01.12.7.06.AM
```

```java
     *
     */
public class JavaAgent extends AgentBase {

    //TODO: Create TXT, CSV, and XML files with the results, feed to Xpages
    public void NotesMain() {

        try {
            //Grab session, yank database out of that
            Session session = getSession();
            System.out.println("FOUND_SESSION " + session);
            Database database = session.getDatabase("", "log.nsf");
            System.out.println("FOUND_DATABASE " + session);
            //DateTime dtToday = session.createDateTime("Today");
            // PrintWriter...
            PrintWriter pw = getAgentOutput();
            // Content type set at Txt
            // TODO: Figure out a better version to load a CSV file to
browser
            // currently, the csv downloads to local directory
            pw.println("Content-type:text/txt");

            String dtToday = ("01/12/2014");
            System.out.println("FOUND_DATE " + dtToday);
            //Convert this date to String, endsWith or startsWith can't
search therefore
            String ConvertDateToString = dtToday.toString();
            System.out.println("FOUND_DATE_CONVERSION " +
ConvertDateToString);
            //Fetch EventList through Forms, by pass the MiscEvents view
        //TODO: Grab EventList View if you need specific dates
            DocumentCollection docColl = database.search("Form =
'Events'");

            Document logDoc = docColl.getFirstDocument();
            System.out.println("BEGIN LOOP...");
            //Enter Loop, we are looking at only todays docs/Events
            System.out.println("BEGIN LOOP...");
            while (logDoc != null) {
                // Grab EventList items
              //System.out.println("Grabbing EventList items...");
                Vector itemsList = logDoc.getItemValue("EventList");
                //Run through Events line by line
                for (Enumeration values = itemsList.elements(); values
                        .hasMoreElements();) {
                    String eventFetch = (String) values.nextElement();
                if (eventFetch.startsWith(ConvertDateToString)
                && eventFetch.endsWith("Anonymous")) {
                eventFetch = eventFetch.substring(0,
eventFetch.indexOf("Anonymous"));
                            //TODO: Perhaps begin conversion to XML and
so on here...
                                // write records from view into a Text
file and show it in the
                                // browser
                                pw.println(eventFetch);

                            //System.out.println("FOUND_LOG " +
eventFetch);
                        }

                }
                //grab additional log items, as necessary...
                logDoc = docColl.getNextDocument();
```
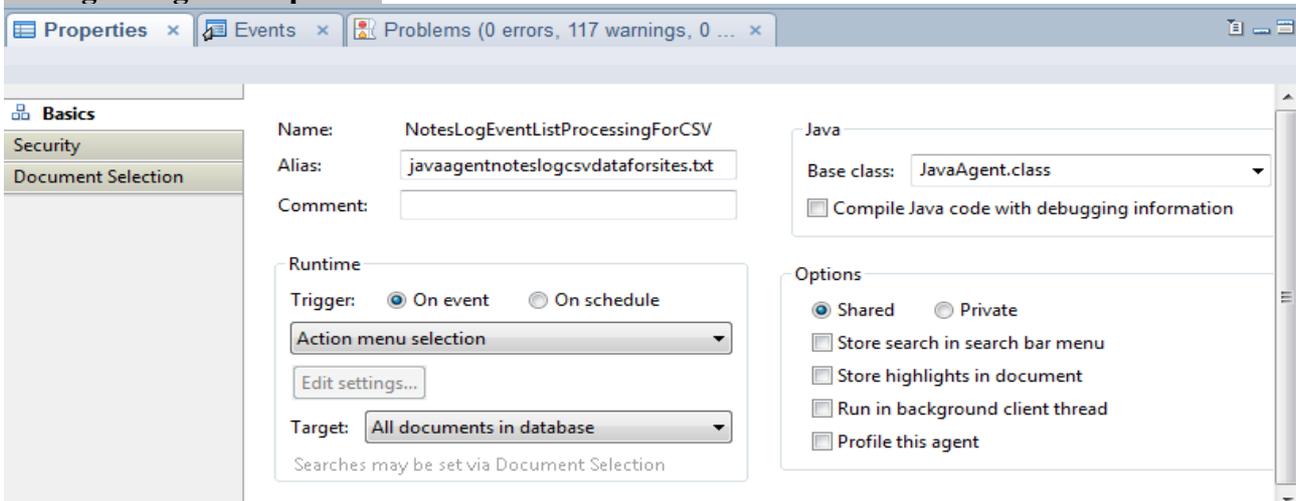
```
            }

        } catch (Exception e) {
            e.printStackTrace();
        }
    }//end of program...
}
```
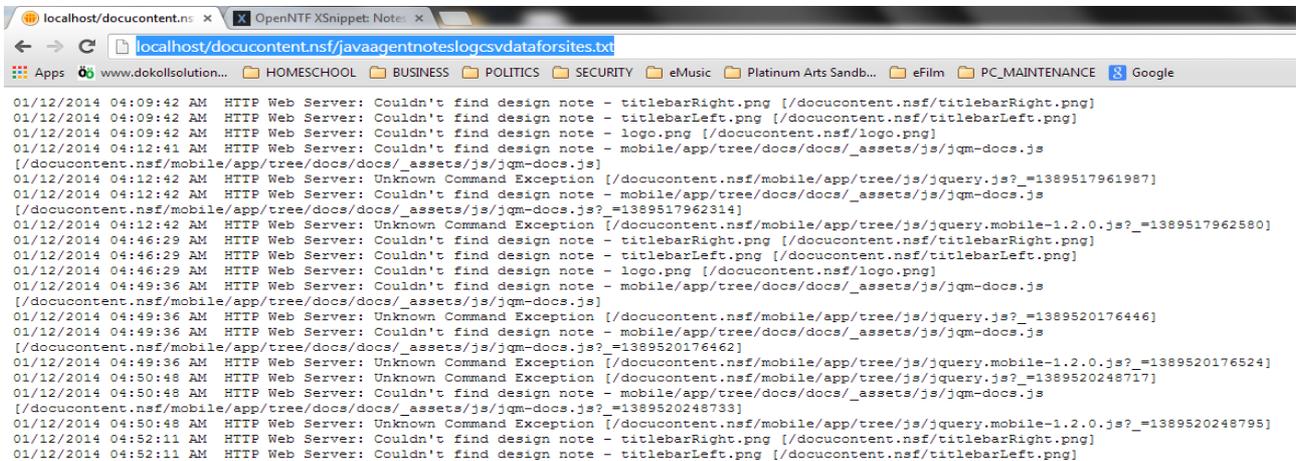
Configure Agent Properties

Run to Browser as TXT
Be sure to remove Sytem.outs to avoid adding your reesults to Log.nsf

Conclusion:
You can now grab NotesLog data, throw to Browser as converted TXT file; information that can be used to help you better troubleshoot and find errrors in your Apps.

Questions, comments, please post a brief message on our Contact form on the main site.

Thank you for coming...

Version:2014.01.15.1.16.AM