

JavaAgent/XML

console programming

System Requirements:

Download Domino Designer 8.5.2 Environment (DDE)

<http://www.ibm.com/developerworks/downloads/ls/dominodesigner/>

Introduction:

Bati yon koneksyon a yon lotus bazdone Nòt domino sitiye sou Drive C lè l sèvi avèk yon JavaAgent. Yon fwa koneksyon ap etabli, gen tan pwan gade done ak chaje konsòl. Konvèti kòd nan yon JavaAgent XML espesifik, sove XML dosye sou Drive C.

Disclaimer:

A enfòmasyon ki nan sa ki annapre yo prezante kòm se. Sa a leson patikilye pansé ké ou genyen konesans debaz pwogram. Tout tutoryèl yo baze sou yon lojisyèl sexclips / sexclips ki baze sou. Ou ta dwe bezwen familiarize w avèk yon anviwònman sexclips sèten, anvan yo kontinye leson patikilye a, tanpri, sispann kounye a epi yo al gade paj leson patikilye nou an ...

Add to Console

Nan pwen sa a nou sipoze domino Designer 8.5.2 ap telechaje / enstale epi li se yon JavaAgent nouvo deja kreye. Nòmman, nan kou, DDE pwodui yon JavaAgent kilè eskèlèt bati Off a, ou ka ale pi devan ak efase li, nan kopi ak keratin anba a kòd jwenn te kòmanse ...

*Chaje done nan konsòl Java debug

[CODE]

```
/**
 * Created: 2011.07.07.12.59.AM
 * JavaAgent console program being converted to XML specific code...
 */

/**
 * @author Dòkòll Solutions, Inc.
 * @version 2011.07.07.12.59.AM
 */
import lotus.domino.*;

public class JavaAgent extends AgentBase {

    public void NotesMain() {
        System.out.println("Program Started...");
        // Enter Try catch
        System.out.println("Entering Try catch...");
        try {

            // Establish a session
            Session session = this.getSession();
```

```

System.out.println("Session Obtained..." + session);

// Grab database info
Database database = session.getDatabase("", "Docu.nsf");
System.out.println("Database Obtained..." + database);

// Obtain view info
View view = database.getView("SiteList");
System.out.println("View Obtained..." + view);

//Ensuring view does exist
if (view != null) {

    // Retrieve first document...
    Document document = view.getFirstDocument();
    System.out.println("Document Obtained..." + document);
    System.out.println("Submitting to console...");
    //loop through where document is available
    while (document != null) {
        //prepare string variables to load retrieve data,
load to console
        //Declare and initialize console items
        String SiteName =
document.getItemValueString("SiteName");
        String SiteNumber =
document.getItemValueString("SiteNumber");
        // load to console
        System.out.println("SiteName: " + SiteName + " "
            + "SiteNumber: " + SiteNumber);

        // Grab next document if any
        document = view.getNextDocument(document);
    }

    // clean up to free up memory
    view.recycle();

}

// clean up to free up memory
database.recycle();

// clean up to free up memory
session.recycle();
System.out.println("Program Ended...");

} catch (Exception e) {

    e.printStackTrace();

}
}
}

```

Begin testing this code

Te JavaAgent ou yo te kreye yo, epi nou sipoze li compiles oke. Ou fin pare koulè a li teste sa a ajan. Li nesesè pou yo ale nan pwopriyete Ajan la fè plis travay, egzanp envoke Ajan la nan Nòt orè kliyan,, oswa kouri atravè navigatè. Pou egzèsis sa a, nou pral kouri JavaAgent ki soti nan kliyan an, jis fè tès

pou done atravè konsole.

Steps:

1. Go to DDE's Database Navigator to your upper left
2. Double-click Code, then Agents
3. Double-click your New JavaAgent from list in middle screen
4. Go to Properties Tab below the Agent code, within Basics section
5. Scroll Down to Runtime (Trigger), select On Event option
6. Choose 'Action Menu selection' from the dropdown
7. Scroll further to Target, choose 'All Documents in database' from dropdown
8. Go to Security section, choose Run as Web User
9. Select option 'Allow Restricted Operations' under Runtime Security level
10. Save the JavaAgent, then run it
 - Right-click on your project through Database Navigator
 - Notes Client Opens your Database
 - Minimize your Notes Client window
 - Go to Tools in the Client's Menu bar
 - Choose ' Show Java Debug Console'
 - Console loads, drag it aside your minimized Client screen
 - Go to Actions in the Menu bar, find your Agent name
 - Selecting the JavaAgent from the list will run it
 - Java Debug Console window produces the results

Console results:

```
Program Started...
Entering Try catch...
Session Obtained...CN=DispicableHouse/O=DispicableHouse
Database Obtained...c:\Program Files (x86)\IBM\Lotus\Notes\Data\Docu.nsf
View Obtained...SiteList
Document Obtained...775E51A037A4799B852578B60051644C
Submitting to console...
SiteName: 3 SiteNumber: 777000
SiteName: 1 SiteNumber: 777001
SiteName: 2 SiteNumber: 777002
SiteName: 4 SiteNumber: 777006
SiteName: 7 SiteNumber: 437469
SiteName: 7 SiteNumber: 437468
Program Ended...
```

TIP:

Yon JavaAgent konsilte atravè non an li te kreye anba (nan ka sa a SubmitConsoleJavaAgent) pa kòm 'JavaAgent' File klas la vrè. Ta dwe JavaAgent ou dwe make nan mitan fenèt kòd ou yon fwa ou doub-klike sou 'Eleman' te rele Kòd + ajan, epi yo pral fè yon sèl nan dènye kreye pa dat nan lis Ajan ou yo.

Build XML file

Plen kòd ajoute anba a, so devan si sa nesesè, repete etap 1-10 pi wo a. Zòn yo nan enterè yo te make ou pou konfò ou. Yon fwa ou kouri li, ou ka tcheke Drive nan C, jan sa endike nan Kòd ou.

*Chaje wè done yo mete nan dosye XML sou Drive C

[CODE]

```
/**
 * Created: 2011.07.07.12.59.AM
 * JavaAgent create XML file...
 */

/**
 * @author Dököll Solutions, Inc.
 * @version 2011.07.07.12.59.AM
 *
 */
import lotus.domino.*;
import java.io.*;

public class JavaAgent extends AgentBase {

    public void NotesMain() {
        System.out.println("Program Started...");
        // Enter Try catch
        System.out.println("Entering Try catch...");
        try {

            // Establish a session
            Session session = this.getSession();
            System.out.println("Session Obtained..." + session);

            // Grab database info
            Database database = session.getDatabase("", "Docu.nsf");
            System.out.println("Database Obtained..." + database);

            // Obtain view info
            View view = database.getView("SiteList");
            System.out.println("View Obtained..." + view);

            // Ensuring view does exist
            if (view != null) {

                //Declare and initialize outBound stream
                //this prepares the location of the file
                DataOutputStream outBound =
                new DataOutputStream(new BufferedOutputStream(
                new
FileOutputStream("c:/temp/XML_DATA/data.xml")));
                //Write out schema tags for the XML file
                outBound.writeBytes("<?xml version='1.0' ?>");
                //Write out beginning tags for the XML file

                outBound.writeBytes("<contacts>");
            }
        }
    }
}
```

```

// Retrieve first document...
Document document = view.getFirstDocument();
System.out.println("Document Obtained..." + document);
System.out.println("Submitting to console...");
// loop through where document is available
while (document != null) {
    // Declare and initialize console items
    String SiteName =
document.getItemValueString("SiteName");
    String SiteNumber = document
        .getItemValueString("SiteNumber");

    //Write out parent/child tags for the XML file
    //load necessary data down to children
    outbound.writeBytes("<person>");
    outbound.writeBytes("<sitename>");
    outbound.writeBytes(" " + SiteName + " ");
    outbound.writeBytes("</sitename>");
    outbound.writeBytes("<sitenumber>");
    outbound.writeBytes(" " + SiteNumber + " ");
    outbound.writeBytes("</sitenumber>");
    outbound.writeBytes("</person>");

    outbound.writeBytes(" ");
    // Grab next document if any
    document = view.getNextDocument(document);
}

// clean up to free up memory
view.recycle();

//Write out closing tag for the XML file
outbound.writeBytes("</contacts>");

outbound.close();
}

// clean up to free up memory
database.recycle();

// clean up to free up memory
session.recycle();
System.out.println("Program Ended...");
} catch (Exception e) {
    e.printStackTrace();
}
}
}

```

Conclusion:

Nou rekòmande voye krache deyò rezilta nan dosye a XML konsòle a, jis yo dwe sèten omwen dosye

se ke yo te kreye. Sepandan, ou ta dwe retire yo apre sa pou fè pou evite chay nan boutèy demi lit lokal ou a, (Egzanp: Log DispacableHouse a)

Hint: Sa a kapab atik dwe lye ak yon pwojè tablo ki egziste deja bati lè l sèvi avèk iReport ak JasperReports teknoloji. Ale nan lyen XML, bay ke yon toubiyon!

Kesyon, kòmantè, tanpri poste yon mesaj tou kout sou fòm Kontakte nou yo. Mèsi pou vizit la ...