

Mapping cannonical name to service URL

```
/*-----*/
/*          STANFORD UNIVERSITY NOTICES FOR SLAC SOFTWARE          */
/*          ON WHICH COPYRIGHT IS DISCLAIMED                        */
/*          */
/*  AUTHORSHIP                                                    */
/*  This software was created by Mohammad Asif, Stanford Linear    */
/*  Accelerator Center, Stanford University.                        */
/*          */
/*  ACKNOWLEDGEMENT OF SPONSORSHIP                                */
/*  This software was produced by the Stanford Linear Accelerator */
/*  Center, Stanford University, under Contract DE-AC03-76SF00515 */
/*  with the Department of Energy.                                  */
/*          */
/*  GOVERNMENT DISCLAIMER OF LIABILITY                             */
/*  Neither the United States nor the United States Department of */
/*  Energy, nor any of their employees, makes any warranty,       */
/*  express or implied, or assumes any legal liability or        */
/*  responsibility for the accuracy, completeness, or usefulness  */
/*  of any data, apparatus, product, or process disclosed, or    */
/*  represents that its use would not infringe privately owned    */
/*  rights.                                                         */
/*          */
/*  STANFORD DISCLAIMER OF LIABILITY                               */
/*  Stanford University makes no representations or warranties,    */
/*  express or implied, nor assumes any liability for the use of  */
/*  this software.                                                 */
/*          */
/*  STANFORD DISCLAIMER OF COPYRIGHT                              */
/*  Stanford University, owner of the copyright, hereby disclaims */
/*  its copyright and all other rights in this software. Hence,   */
/*  anyone may freely use it for any purpose without restriction. */
/*          */
/*  MAINTENANCE OF NOTICES                                         */
/*  In the interest of clarity regarding the origin and status of */
/*  this SLAC software, this and all the preceding Stanford       */
/*  University notices are to remain affixed to any copy or      */
/*  derivative of this software made or distributed by the       */
/*  recipient and are to be affixed to any copy of software made */
/*  or distributed by the recipient that contains a copy or      */
/*  derivative of this software.                                    */
/*          */
/*  SLAC Software Notices, Set 4 (OTT.002a, 2004 FEB 03)          */
/*-----*/

/* Utility.java
 *
 * Created on March 28, 2007, 11:43 AM
 *
 * To change this template, choose Tools | Template Manager
 * and open the template in the editor.
 */

package org.perfsonar.client.util;

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

/*
 * @author Mohammad Asif
 * Created on March 28, 2007, 11:43 AM
 */

public class Utility {
```

```

static Hashtable ma_map = new Hashtable();
static {
    File f = new File ("MAS.conf");
    if (! f.exists() )
    {
        System.out.println ("File ma.conf doesn't exists\n");
        System.exit(0);
    }

    String line = new String ();

    try {
        BufferedReader br = new BufferedReader(new FileReader(f));
        while ((line = br.readLine()) != null) {
            line.replace(";", ",");
            String str[] = line.trim().split(",", 3);

            if ( str[0].startsWith(";"))
            {
                str[0] = str[0].substring(1);
            }

            ma_map.put(str[0], str[1]);

        }
    }
    catch (IOException e) {
        System.err.println("Error: " + e);
    }
}

public static Vector getKeys (Hashtable ht)
{
    Vector keys = new Vector ();
    Enumeration enums = ht.keys();

    while (enums.hasMoreElements())
    {
        keys.addElement(enums.nextElement());
    }

    return keys;
}

public static String getMAEndPoint (String cannonical_name)
{
    if ( cannonical_name.trim().toLowerCase().endsWith("es.net"))
    {
        return ma_map.get("ESNET").toString();
    }
    else if ( cannonical_name.trim().toLowerCase().endsWith("cesnet.cz"))
    {
        return ma_map.get("CESNET").toString();
    }
    else if ( cannonical_name.trim().toLowerCase().endsWith("fnal.gov"))
    {
        return ma_map.get("FERMILAB").toString();
    }
    else if ( cannonical_name.trim().toLowerCase().endsWith("geant2.net"))
    {
        return ma_map.get("GEANT2").toString();
    }
    else if ( cannonical_name.trim().toLowerCase().endsWith("garr.it"))
    {
        return ma_map.get("GARR").toString();
    }
    else if ( cannonical_name.trim().toLowerCase().endsWith("grnet.gr"))
    {
        return ma_map.get("GRNET").toString();
    }
    else if ( cannonical_name.trim().toLowerCase().endsWith("carnet.hr"))

```

```

    {
        return ma_map.get("CARNET").toString();
    }
    else if ( canonical_name.trim().toLowerCase().endsWith("pionier.gov.pl"))
    {
        return ma_map.get("PIONIER-RRD").toString();
    }
    else if ( canonical_name.trim().toLowerCase().endsWith("seeren.org"))
    {
        return ma_map.get("SEEREN").toString();
    }
    else if ( canonical_name.trim().toLowerCase().endsWith("surfnet.nl") ||
              canonical_name.trim().toLowerCase().endsWith("surf.net"))
    {
        return ma_map.get("SURFNET").toString();
    }
    else if ( canonical_name.trim().toLowerCase().endsWith("switch.ch"))
    {
        return ma_map.get("SWITCH").toString();
    }
    else if ( canonical_name.trim().toLowerCase().endsWith("renater.fr"))
    {
        return ma_map.get("RENATER").toString();
    }

    return null;
}

public static void main (String []arg)
{
}
}

```