Open Source Used In Nexus 1000V Switch for Microsoft Hyper-V 5.2(1)SM3(2.1)

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1.2 apr 0.9.7-1

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file_io/unix/mktemp.c, strings/apr_strings.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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Theodore Ts'o
26-Jul-2000

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
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FlashPoint Driver Developer's Kit

Version 1.0

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That's all there is to it!
/* nicstar.c v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)*/
Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY interrupts us (except possibly for removal/insertion of the cable?)
10/4/97 - began heavy inline documentation of the code. Corrected typos and spelling mistakes.
10/5/97 - added code to handle PHY interrupts, disable PHY on loss of link, and correctly re-enable PHY when link is re-established. (put back CFG_PHYIE)

Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

Linux driver for the IDT77201 NICStAR PCI ATM controller.
PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155; see init_nicstar() for PHY initialization to change this. This driver expects the Linux ATM stack to support scatter-gather lists.
(skb->atm.iovcnt != 0) for Rx skb's passed to VCC->push.

Implementing minimal-copy of received data:
IDT always receives data into a small buffer, then large buffers as needed. This means that data must always be copied to create the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
Fix is simple: make large buffers large enough to hold entire SDU, and leave <small_buffer_data> bytes empty at the start. Then copy small buffer contents to head of large buffer.
Trick is to avoid fragmenting Linux, due to need for a lot of large buffers. This is done by 2 things:
1) skb->destructor / skb->atm.recycle_buffer combined, allow nicstar_free_rx_skb to be called to recycle large data buffers
2) skb_clone of received buffers
See nicstar_free_rx_skb and linearize_buffer for implementation details.

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* M. Welsh, 6 July 1996
*
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1.21 mailapi 1.4.6

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package javax.mail;

import java.io.Serializable;

/**
 * This abstract class models the addresses in a message.
 * Subclasses provide specific implementations. Subclasses
 * will typically be serializable so that (for example) the
 * use of Address objects in search terms can be serialized
 * along with the search terms.
 *
 * @author John Mani
 * @author Bill Shannon
 */

public abstract class Address implements Serializable {

    private static final long serialVersionUID = -5822459626751992278L;

    /**
     * Return a type string that identifies this address type.
     *
     * @return type string
     */
    @see javax.mail.internet.InternetAddress
    public abstract String getType();
public abstract String toString();

/**
 * The equality operator. Subclasses should provide an
 * implementation of this method that supports value equality
 * (do the two Address objects represent the same destination?),
 * not object reference equality. A subclass must also provide
 * a corresponding implementation of the <code>equals</code> method that preserves the general contract of
 * <code>equals</code> and <code>hashCode</code> - objects that
 * compare as equal must have the same hashCode.
 *
 * @param address Address object
 */
public abstract boolean equals(Object address);
}

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# Since the first invocation of the script races with the device unregistration, spurious errors are possible
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* @version 3.0 (December 2000)

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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

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version 1.2.3, July 18th, 2005

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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 */

package org.apache.axis.client;

import org.apache.axis.AxisFault;
import org.apache.axis.EngineConfiguration;
import org.apache.axis.components.logger.LogFactory;
import org.apache.axis.deployment.wsdd.WSDDConstants;
import org.apache.axis.message.SOAPBodyElement;
import org.apache.axis.utils.Messages;
import org.apache.axis.utils.Options;
import org.apache.axis.utils.StringUtils;
import org.apache.commons.logging.Log;
import javax.xml.rpc.ServiceException;
import java.io.ByteArrayInputStream;
import java.io.FileInputStream;
import java.io.InputStream;
import java.net.URL;
import java.util.Vector;

/**
 * An admin client object that can be used both from the command line
 * and programmatically.
 *
 * @author Rob Jellinghaus (robj@unrealities.com)
 * @author Doug Davis (dug@us.ibm.com)
 * @author Simeon Simeonov (simeons@macromedia.com)
 */

public class AdminClient
{
    protected static Log log =
        LogFactory.getLog(AdminClient.class.getName());

    private static ThreadLocal defaultConfiguration = new ThreadLocal();

    /**
     * If the user calls this with an EngineConfiguration object, all
     * AdminClients on this thread will use that EngineConfiguration
     * rather than the default one. This is primarily to enable the
     * deployment of custom transports and handlers.
     *
     * @param config the EngineConfiguration which should be used
     */
    public static void setDefaultConfiguration(EngineConfiguration config)
    {
        defaultConfiguration.set(config);
    }

    private static String getUsageInfo()
    {
        String lSep = System.getProperty("line.separator");

StringBuffer msg = new StringBuffer();
// 26 is the # of lines in resources.properties
msg.append(Messages.getMessage("acUsage00")).append(lSep);
msg.append(Messages.getMessage("acUsage01")).append(lSep);
msg.append(Messages.getMessage("acUsage02")).append(lSep);
msg.append(Messages.getMessage("acUsage03")).append(lSep);
msg.append(Messages.getMessage("acUsage04")).append(lSep);
msg.append(Messages.getMessage("acUsage05")).append(lSep);
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msg.append(Messages.getMessage("acUsage17")).append(lSep);
msg.append(Messages.getMessage("acUsage18")).append(lSep);
msg.append(Messages.getMessage("acUsage19")).append(lSep);
msg.append(Messages.getMessage("acUsage20")).append(lSep);
msg.append(Messages.getMessage("acUsage21")).append(lSep);
msg.append(Messages.getMessage("acUsage22")).append(lSep);
msg.append(Messages.getMessage("acUsage23")).append(lSep);
msg.append(Messages.getMessage("acUsage24")).append(lSep);
msg.append(Messages.getMessage("acUsage25")).append(lSep);
msg.append(Messages.getMessage("acUsage26")).append(lSep);
return msg.toString();
}

/**
* the object that represents our call
*/
protected Call call;

/**
* Construct an admin client w/o a logger.
* If the client cannot create a call object, then it does not throw an exception.
* Instead it prints a message to \{@link System.err\}.
* This is for 'historical reasons'
*/
public AdminClient()
{
    try {
        initAdminClient();
    }
}
catch (ServiceException e) {
    System.err.println(Messages.getMessage("couldntCall00") + ": " + e);
    call = null;
}

/**
 * this is a somewhat contrived variant constructor, one that throws an exception
 * if things go wrong.
 * @param ignored
 */
public AdminClient(boolean ignored) throws ServiceException {
    initAdminClient();
}

/**
 * core initialisation routine
 *
 * @throws ServiceException
 */
private void initAdminClient() throws ServiceException {
    // Initialize our Service - allow the user to override the
    // default configuration with a thread-local version (see
    // setDefaultConfiguration() above)
    EngineConfiguration config =
        (EngineConfiguration) defaultConfiguration.get();
    Service service;
    if (config != null) {
        service = new Service(config);
    } else {
        service = new Service();
    }
    call = (Call) service.createCall();
}

/**
 * External access to our <code>Call</code> object.
 * This will be null if the non-exception constructor was used
 * and the construction failed.
 * @return the <code>Call</code> object this instance uses
 */
public Call getCall() {
    return call;
}
/**
 * process the options then run a list call
 * @param opts
 * @return
 * @throws Exception
 */
public String list(Options opts) throws Exception {
    processOpts(opts);
    return list();
}

/**
 * send a list command
 * @return the response from the call
 * @throws Exception
 */
public String list() throws Exception {
    log.debug(Messages.getMessage("doList00") );
    String str = "<m:list xmlns:m="" + WSDDConstants.URI_WSDD + ">
    ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
    return process(input);
}

/**
 * process the command line ops, then send a quit command
 * @param opts
 * @return
 * @throws Exception
 */
public String quit(Options opts) throws Exception {
    processOpts(opts);
    return quit();
}

/**
 * root element of the undeploy request
 */
protected static final String ROOT_UNDEPLOY= WSDDConstants.QNAME_UNDEPLOY.getLocalPart();

/**
 * make a quit command
 * @return
 * @throws Exception
 */
public String quit() throws Exception {
    log.debug(Messages.getMessage("doQuit00"));
    String str = "<m:quit xmlns:m="" + WSDDConstants.URI_WSDD + ">
    ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
    return process(input);
/**
 * undeploy a handler
 * @param handlerName name of the handler to undeploy
 * @return
 * @throws Exception
 */
public String undeployHandler(String handlerName) throws Exception {
    log.debug(Messages.getMessage("doQuit00"));
    String str = "<m:"+ROOT_UNDEPLOY +" xmlns:m=" + WSDDConstants.URI_WSDD + ">
      <handler name="" + handlerName + ">
    </m:"+ROOT_UNDEPLOY +" > ;
    ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
    return process(input);
}

/**
 * undeploy a service
 * @param serviceName name of service
 * @return
 * @throws Exception
 */
public String undeployService(String serviceName) throws Exception {
    log.debug(Messages.getMessage("doQuit00"));
    String str = "<m:"+ROOT_UNDEPLOY +" xmlns:m=" + WSDDConstants.URI_WSDD + ">
      <service name="" + serviceName + ">
    </m:"+ROOT_UNDEPLOY +" > ;
    ByteArrayInputStream input = new ByteArrayInputStream(str.getBytes());
    return process(input);
}

/**
 * <p>Processes a set of administration commands.</p>
 * <p>The following commands are available:</p>
 * <ul>
 *   <li><code>-l<i>url</i></code> sets the AxisServlet URL</li>
 *   <li><code>-h<i>hostName</i></code> sets the AxisServlet host</li>
 *   <li><code>-p<i>portNumber</i></code> sets the AxisServlet port</li>
 *   <li><code>-s<i>servletPath</i></code> sets the path to the AxisServlet</li>
 *   <li><code>-f<i>fileName</i></code> specifies that a simple file protocol should be used</li>
 *   <li><code>-u<i>username</i></code> sets the username</li>
 *   <li><code>-w<i>password</i></code> sets the password</li>
 *   <li><code>-d</code> sets the debug flag (for instance, -ddd would set it to 3)</li>
 * </ul>
* `<li>` `<code>-t<i>name</i>` sets the transport chain touse</li>
* `<li>` `<code>list</code>` will list the currently deployed services</li>
* `<li>` `<code>quit</code>` will quit (???)</li>
* `<li>` `<code>passwd <i>value</i>` changes the admin password</li>
* `<li>` `<code>xmlConfigFile</code>` deploys or undeploys
  * Axis components and web services</li>
* </ul>
* `<p>` If `<code>-l</code>` or `<code>-h -p -s</code>` are not set, the AdminClient will invoke
* `<code>http://localhost:8080/axis/services/AdminService</code>.
* `<p>`
* @param args Commands to process
* @return XML result or null in case of failure. In the case of multiple commands, the XML results will be concatenated, separated by \n
@exception Exception Could be an IO exception, an AxisFault or something else
*/

public String process(String[] args) throws Exception {
  StringBuffer sb = new StringBuffer();

  Options opts = new Options( args );
  opts.setDefaultURL("http://localhost:8080/axis/services/AdminService");

  if (opts.isFlagSet('d') > 0) {
    // Set logger properties... !!!!
  }

  args = opts.getRemainingArgs();

  if ( args == null || opts.isFlagSet('?') > 0 ) {
    System.out.println(Messages.getMessage("usage00","AdminClient [Options] [list | <deployment-descriptor-files>]"));
    System.out.println("\n");
    System.out.println(getUsageInfo());
    return null;
  }

  for ( int i = 0 ; i < args.length ; i++ ) {
    InputStream input = null;

    if ( args[i].equals("list") )
      sb.append( list(opts) );
    else if (args[i].equals("quit") )
      sb.append( quit(opts) );
    else if ( args[i].equals("passwd") ) {
      System.out.println(Messages.getMessage("changePwd00"));
      if (args[i + 1] == null ) {
        System.err.println(Messages.getMessage("needPwd00"));
      }
    }
return null;
}
String str = "<m:passwd xmlns:m="http://xml.apache.org/axis/wsdd\"">";
str += args[i + 1];
str += "</m:passwd>");
input = new ByteArrayInputStream(str.getBytes());
i++;
sb.append( process(opts, input ) );
}
else {
if(args[i].indexOf(java.io.File.pathSeparatorChar)==-1){
    System.out.println( Messages.getMessage("processFile00", args[i]) );
    sb.append( process(opts, args[i] ) );
} else {
    java.util.StringTokenizer tokenizer = null ;
tokenizer = new java.util.StringTokenizer(args[i],
        java.io.File.pathSeparator);
while(tokenizer.hasMoreTokens()) {
    String file = tokenizer.nextToken();
    System.out.println( Messages.getMessage("processFile00", file) );
    sb.append( process(opts, file ) );
    if(tokenizer.hasMoreTokens())
        sb.append("n");
}
}
}

return sb.toString();

/**
 * go from the (parsed) command line to setting properties on our call object.
 * @param opts
 * @throws Exception if call==null
 */
public void processOpts(Options opts) throws Exception {
if (call == null) {
    throw new Exception(Messages.getMessage("nullCall00"));
}

URL address = new URL(opts.getURL());
setTargetEndpointAddress(address);
setLogin(opts.getUser(), opts.getPassword());

String tName = opts.isValueSet( 't' );
setTransport(tName);
/**
 * set the username and password
 * requires that call!=null
 * @param user username
 * @param password password
 */
public void setLogin(String user, String password) {
    call.setUsername( user );
    call.setPassword( password );
}

/**
 * set the URL to deploy to
 * requires that call!=null
 * @param address
 */
public void setTargetEndpointAddress(URL address) {
    call.setTargetEndpointAddress( address );
}

/**
 * set the transport to deploy with.
 * requires that call!=null
 * @param transportName a null or empty value does not trigger a setting
 */
public void setTransport(String transportName) {
    if(transportName != null && !transportName.equals("") ) {
        call.setProperty( Call.TRANSPORT_NAME, transportName );
    }
}

public String process(InputStream input) throws Exception {
    return process(null, input );
}

public String process(URL xmlURL) throws Exception {
    return process(null, xmlURL.openStream() );
}

/**
 * process an XML file containing a pre-prepared admin message
 * @param xmlFile file to load
 * @return
 * @throws Exception
 */
public String process(String xmlFile) throws Exception {
    FileInputStream in = new FileInputStream(xmlFile);
    return process(in);
String result = process(null, in);
return result;
}

public String process(Options opts, String xmlFile) throws Exception{
    processOpts(opts);
    return process(xmlFile);
}

/**
 * submit the input stream's contents to the endpoint, return the results as a string.
 * The input stream is always closed after the call, whether the request worked or not
 * @param opts options -can be null
 * @param input -input stream for request
 * @return
 * @throws Exception if the call was null
 * @throws AxisFault if the invocation returned an empty response
 */
public String process(Options opts, InputStream input) throws Exception {
    try {
        if (call == null) {
            //validate that the call is not null
            throw new Exception(Messages.getMessage("nullCall00"));
        }

        if (opts != null) {
            //process options if supplied
            processOpts(opts);
        }

        call.setUseSOAPAction(true);
        call.setSOAPActionURI("urn:AdminService");

        Vector result = null;
        Object[] params = new Object[] { new SOAPBodyElement(input) };
        result = (Vector) call.invoke(params);

        if (result == null || result.isEmpty()) {
            throw new AxisFault(Messages.getMessage("nullResponse00"));
        }

        SOAPBodyElement body = (SOAPBodyElement) result.elementAt(0);
        return body.toString();
    } finally {
        input.close();
    }
}
/**
 * Creates in instance of <code>AdminClient</code> and
 * invokes <code>process(args)</code>.
 * <p>Diagnostic output goes to <code>log.info</code>.</p>
 * @param args Commands to process
 */
public static void main (String[] args)
{
    try {
        AdminClient admin = new AdminClient();
        String result = admin.process(args);
        if (result != null) {
            System.out.println( StringUtils.unescapeNumericChar(result) );
        } else {
            System.exit(1);
        }
    } catch (AxisFault ae) {
        System.err.println(Messages.getMessage("exception00") + " " + ae.dumpToString());
        System.exit(1);
    } catch (Exception e) {
        System.err.println(Messages.getMessage("exception00") + " " + e.getMessage());
        System.exit(1);
    }
}

1.30 smtpclient 1.0.0
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SMTPclient -- simple SMTP client

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260
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========================================================================

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