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# Chili!Soft ASP User's Guide

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## Abstract

This guide explains how to install and use Chili!Soft ASP . It will also help you to better understand what and how Chili!Soft ASP can help you and your business.

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# Table of Contents

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<b>Legal Notice</b>	<b>2</b>
<b>Introduction</b>	<b>5</b>
<i>About this Guide</i>	5
<i>Product Registration &amp; Free Support</i>	5
<i>Standard Support &amp; Maintenance</i>	6
<b>Using Chili!Soft ASP</b>	<b>7</b>
The Basic Diagnostic Tests	7
The 10-Step Tour	7
<i>Step 1: Receiving the contents of an HTML form</i>	8
<i>Step 2: Maintaining State</i>	8
<i>Step 3: ASP and HTML</i>	9
<i>Step 4: Scripting Languages</i>	9
<i>Step 5: The Intrinsic Objects</i>	10
<i>Step 6: Database Connectivity</i>	10
<i>Step 7: Additional Components</i>	11
<i>Step 8: Custom COM components</i>	11
<i>Step 9: Creating N-tier Browser-Server Applications</i>	12
<i>Step 10: Porting ASP Applications</i>	12
The Sample Applications	12
The ASP Administration Console	13
Online Documentation	14
<b>Appendix A: Installing Chili!Soft ASP for Linux</b>	<b>15</b>
System Requirements	15
<i>Hardware Requirements</i>	15
<i>Software Requirements</i>	15
<i>Optional Requirements</i>	16
Installing Chili!Soft ASP	16
<i>Before Beginning the Chili!Soft ASP Installation</i>	16

<i>Extracting Chili!Soft ASP</i>	17
<i>Installing Chili!Soft ASP</i>	17
<b>Appendix B: Additional Info About Chili!Soft ASP</b>	<b>21</b>
For More Information	23
<b>Appendix C: Chili!Soft White Papers</b>	<b>24</b>
<b>Appendix C: Company and Product Overview</b>	<b>25</b>
<i>About ASP</i>	25
<i>About Chili!Soft</i>	25

# Introduction

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## About this Guide

This User guide has been developed to help get you up and running on Chili!Soft ASP. Included is information that will help you:

- Configure your Linux environment properly for a Chili!Soft ASP installation (Please see Appendix A: Installing Chili!Soft ASP for Linux)
- Install Chili!Soft ASP (Please see Appendix A: Installing Chili!Soft ASP for Linux)
- Ensure your Chili!Soft ASP installation is up and running
- View a 10-Step Tour to provide a technical introduction to Chili!Soft ASP
- Review our sample applications to highlight the capabilities of Chili!Soft ASP
- Expand your ASP knowledge with links to ASP resources

**Note:** This User guide is specific to the Linux version of Chili!Soft ASP. However, apart from the installation instructions located in Appendix A: Installing Chili!Soft ASP for Linux the rest of the information applies to all platforms that Chili!Soft ASP supports, so feel free to read through this guide to gain more insight into the workings of Chili!Soft ASP on all platforms.

## Product Registration & Free Support

Please make sure to keep your product serial number for your own personal records. Your product serial number can be found on the sticker on the back of you CD jewel case.

All Chili!Soft products ship with 30 days of no-charge technical support (from the date of purchase). To activate your free support, including phone and email, register your product at <http://www.chilisoft.com/> By registering, you will be eligible to receive 30 days of our world-class support free of charge. You will also receive free maintenance releases and, if you choose, information about upcoming Chili!Soft products and promotions.

The best way we can satisfy our customer's needs is by hearing from you. By registering, you establish a communications path that will be used to learn what product improvements would be of most value to you. Of course, please feel free to email us at [suggestions@chilisoft.com](mailto:suggestions@chilisoft.com) with any and all suggestions. We review every suggestion we receive.

After you've registered your product, you are free to contact Technical Support at [tech@chilisoft.com](mailto:tech@chilisoft.com). You will need to include your product Serial Number (printed on the back of your CD case) in the 'subject' field.

You may also reach Chili!Soft Technical Support Monday through Friday from 8AM to 5PM, Pacific Standard Time (except holidays). Support requests for this introductory program will be answered in most cases within one business day.

Chili!Soft is also proud to offer a free on-line support forum at <http://www.chilisoft.com/forum>. The Chili!Soft Support Forum is an excellent source of technical information, suggestions, and discussions with Chili!Soft technical staff and other web developers.

## Standard Support & Maintenance

You can continue e-mail and phone support by purchasing Chili!Soft's Standard Support & Maintenance Program. Chili!Soft's Standard Support plan includes:

- All minor product upgrades (dot releases), maintenance releases, and patches free of charge for one year from date of purchase.
- Email technical support Monday through Friday from 8AM to 5PM, Pacific Standard Time (except holidays). All emails will be responded to within one day of receipt, during normal business hours.
- Phone technical support Monday through Friday from 8AM to 5PM, Pacific Standard Time (except holidays). All telephone calls will be responded to within one day of receipt, during normal business hours.
- Unlimited email and phone incidents.
- Technical support responses on issues relating to product installation and configuration, and support related to product defects.
- Standard Support is available for two authorized contact person for each customer.

If you are a large customer and need 24x7 support, please contact our Sales team for more information about our Extended Support & Maintenance program.

You must purchase a Support plan within one month of purchasing the product purchase and you must purchase it directly from Chili!Soft. For a Support plan purchased more than one month after the product purchase, please contact the Chili!Soft Sales team.

Contact Chili!Soft for more information about our support programs:

**Website:** <http://www.chilisoft.com/support>

**Email:** [sales@chilisoft.com](mailto:sales@chilisoft.com)

**Phone:** (425) 372-1542

## Using Chili!Soft ASP

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This section will help you to review Chili!Soft ASP now that you have the ASP engine installed and running. This involves running basic diagnostics, navigating the 10-Step tour, running sample applications, and administrating the ASP engine(s) and Web server(s) with the Chili!Soft ASP Administration Console.

### Important Note:

To proceed through this section we assume that you have correctly installed Chili!Soft ASP . If you need help installing Chili!Soft ASP on a Linux box please refer to Appendix A: Installing Chili!Soft ASP for Linux.

## The Basic Diagnostic Tests

Chili!Soft provides five diagnostics to test if the basic functionality of the ASP engine is operating properly.

Use a standard Web browser to open the following URL to access the diagnostics:

```
http://<YOUR_SERVER_NAME>/caspsamp/diagnostics.htm
```

Where <YOUR\_SERVER\_NAME> is the name of the Web server to which you installed Chili!Soft ASP.

You will find three basic ASP diagnostics and two database diagnostics. When you click on any of the diagnostics, you will see a “View ASP Source” link at the bottom of the page. You may click on this link to view the ASP code that generated the HTML output. These diagnostics tell you the following about Chili!Soft ASP:

- **HELLO:** tests ASP and VBScript with a simple “Hello World” script.
- **SERVER:** tests the ASP server to Web server connection by retrieving the standard Web server variables
- **JSCRIPT:** tests JScript. JScript is a Microsoft scripting technology that resembles JavaScript and c/c++ syntax, and may be used instead of VBScript.
- **ADO:** tests ADO (Active Data Objects) and VBScript by connecting to a sample database. ADO uses ODBC (Open Database Connectivity) to connect to the sample database. This test in essence tests ADO, the PostgreSQL ODBC driver and PostgreSQL itself.
- **JSADO:** tests the database connection by accessing ADO from JScript instead of VBScript. The 10-Step Tour

This section will demonstrate the ease with which Chili!Soft ASP allows Web developers to add dynamic content to their Web site with Active Server Pages (ASP). If you are already familiar with the capabilities of ASP, you may wish to skip this section.

The browser-based portion of the 10-Step Tour is loaded on your server by default together with the Chili!Soft ASP sample pages during installation. You may follow the online tour alone, or for a technology-oriented view of the tour, follow the guide below along with the on-line tour. Use a standard Web browser and open the following URL to begin the tour:

```
http://<YOUR_SERVER_NAME>/tour/tourframe.htm
```

Where <YOUR\_SERVER\_NAME> is the name of the Web server to which you installed Chili!Soft ASP.

### Step 1: Receiving the contents of an HTML form

One of the most basic functions of Chili!Soft ASP is to gather information from a user via an HTML form. Click the **Show Me** button, then enter your name. When you press the **Enter** button on the form, the contents of the field are passed to an ASP page, `accept.asp`.

The Web server passes processing of all pages ending with `.asp` to the Chili!Soft ASP engine. The results of script in `accept.asp` are returned from the server as pure HTML and replace the contents of the bottom frame.

If a user views the source of `accept.asp` with a Web browser, the user will see only the standard HTML code that the `accept.asp` script generated. Only by viewing the actual script file (without accessing it through the Web server) can you see the ASP code. The **View Source** button actually calls an ASP script that grabs and displays the requested ASP script.

### Step 2: Maintaining State

The HTTP protocol is inherently stateless, that is, no information about the user who is browsing the Web site is maintained from one Web page

to another.. For many applications, however, knowing the state of a user's interaction with an application is essential. Chili!Soft ASP overcomes this obstacle by making it easy to maintain state information by creating a Session object that holds all of a particular user's information.

Sessions are established when a client connects to the Chili!Soft ASP application, and they end either when explicitly abandoned or after an application-configurable time out period has expired. The Session object can hold just about any type of information that the programmer deems necessary.

### Step 3: ASP and HTML

Pages created using ASP can be considered a superset of HTML pages. Since any valid HTML page is also a valid ASP page, developers signal the Web server to pass the page to the Chili!Soft ASP engine using the `.asp` file extension instead of the `.htm` or `.html` extensions. Thus, if you renamed a HTML page with a `.asp` extension, the Web server would pass the page to Chili!Soft ASP for execution, but since the page contained only plain HTML, the Chili!Soft ASP engine would have no task to perform other than outputting the HTML back out- in the same format it was received.

By converting a `.htm` page to a `.asp` page AND adding some scripting, you have now created a dynamic page. In other words, Chili!Soft ASP commands are issued via "script" that is embedded in the HTML code. Dynamic content becomes a matter of writing the appropriate script to manipulate, arrange, and add to the existing HTML code.

### Step 4: Scripting Languages

Chili!Soft ASP ships with two different scripting languages, Visual Basic Scripting Edition (VBScript) and JScript. VBScript follows the syntax of Visual Basic, while JScript follows the syntax of JavaScript (ECMAScript). Developers can use loops, conditional logic, math, and string functions with HTML to present Web pages to users. The scripts in this tour are written in VBScript, and demonstrate using traditional programming language constructs with the HTML code.

## Step 5: The Intrinsic Objects

Chili!Soft ASP encapsulates the complex environment of a Web server into five intrinsic objects. These five objects; Application, Request, Response, Server, and Session provide an easy-to-use interface for developers to interact with Web servers and users.

- **Application Object:** The Application object contains information that is shared by all users of an application. Because the Application object is accessed by many users, it has special methods to ensure only one user at a time can modify values stored in the object. For example, this object could be used to store a counter of how many users are currently using the application.
- **Session object:** The Session object is used to maintain the user state of a Chili!Soft ASP application. Step 2 showed the Session object being used to maintain the user's name across ASP pages.
- **Request object:** The Request object is used to access information provided by the user's browser. The Request object provides access to standard HTML server variables, as well as form fields, URL query strings, and HTTP cookies. For example, when you entered your name in step 1, the information was retrieved from the Request object and then stored into the Session object.
- **Response object:** The Response object controls the response that is generated by Chili!Soft ASP and returned to users. The Response object can be used for simple tasks such as adding a string to the output HTML buffer or for more complex tasks such as setting the buffering properties or redirecting the output.
- **Server object:** The Server object provides utility methods for interacting with the Web server. The (Server.CreateObject)? method allows Web developers to access objects other than the five intrinsic objects, such as Active Data Objects (ADO) or custom objects (such as SMTP and POP3 email components... the list is quite extensive).

## Step 6: Database Connectivity

The most common source of dynamic content for Web pages is information stored in a database. Chili!Soft ASP includes its own implementation of Active Data Objects (ADO) that provide a powerful, standard interface to popular database management systems. Scripts that use ADO can extract, format, display, add, delete, and update information stored in external databases.

ADO relies on an ODBC driver to connect to any given database. Utilizing ADO, Chili!Soft ASP can connect to any ODBC compliant database, either locally or remotely, and across operating systems.

ADO consists of three objects: Connection, Command, and Recordset. The Connection object is used to establish a connection with the database. The Command object is used to execute a database query or stored procedure. The Recordset object holds the results of a query for use by the ASP script.

### Step 7: Additional Components

Chili!Soft ASP includes several additional components. These include the FileSystemObject, the Browser Capabilities component, and the Chili!Beans component.

**FileSystemObject:** The FileSystemObject allows ASP scripts to read, create, delete, and modify files within specified directories. This object provides the programmer with another method for persisting data, by reading and writing from files instead of from a database.

**Browser Capabilities component:** This object allows ASP scripts to determine information about the user's browser. This includes information such as the version of the browser, support for JavaScript, etc.

**Chili!Beans component:** The Chili!Beans component provides an interface for ASP's COM-centric architecture to access and treat Java classes as if they were COM objects. This includes access to JavaBeans and EJBs.

### Step 8: Custom COM components

Chili!Soft ASP supports the Component Object Model (COM) objects on Unix. Developers can use a development environment that supports COM to build complex functionality into objects that can be used by ASP pages. Thousands of commercial COM objects are already available for use in ASP applications.

**Note:** Custom COM components cannot be used on Chili!Soft ASP for Linux. Custom COM components must be written in C/C++ or Java.

## Step 9: Creating N-tier Browser-Server Applications

COM components, as well as Java classes, can be used to develop a high-performance middle tier that executes database queries and business logic and returns data that can then be formatted into HTML by the ASP scripts.

ASP allows organizations to choose the development environment that works best for them. Complex objects built with the organization's language of choice can then be tied together with simple scripting languages to provide complex, mission-critical enterprise applications. Java objects can be used in Chili!Soft ASP scripts with Chili!Bean, included with the product.

## Step 10: Porting ASP Applications

Chili!Soft ASP is truly cross-platform. Applications developed for one operating system and Web server can be copied to another environment without needing to change any source code. Chili!Soft continues to add more operating system and Web server choices to extend the benefits of ASP.

## The Sample Applications

Chili!Soft ASP ships with several sample applications that help you understand the possibilities of ASP. You can also view the source code to any of the pages and see how to implement different types of functionality.

The first two samples are simple applications that can help you understand how ASP code works with HTML. These two samples are the "Calendar" and the "Inventory" applications. They provide a clear, simple use of ASP code to help you gain an introductory understanding of ASP.

The next five samples are advanced applications that comprise the functionality of an entire Web site. Several of the Advanced Applications are Microsoft Visual Interdev samples, and help to illustrate the ease and advantage of developing ASP applications using Windows-based development tools such as MS Visual Interdev, MS FrontPage2000, Adobe GoLive!, Macromedia Drumbeat, NetObjects ScriptBuilder, and Sybase Powerbuilder. These samples demonstrate advanced ASP in action as well as the level of portability between the code generated by Windows-based development tools and Chili!Soft ASP.

The last sample demonstrates the functionality of Chili!Bean, a 'wrapper' object that allows ASP scripts to access Java classes as if it were accessing COM objects. The Chili!Bean is included with Chili!Soft ASP.

The samples are available by pointing your browser to:

```
http://<YOUR_SERVER_NAME>/caspsamp/samples.asp
```

Where <YOUR\_SERVER\_NAME> is the name of the Web server to which you installed Chili!Soft ASP. You may also access the samples at <http://www.chilisoft.com/caspsamp>.

## The ASP Administration Console

The ASP Administration Console provides a browser-based tool through which to manage, configure, monitor, add, and delete servers. In addition, the Administration Console can manage the license files required for the engine to operate, and provides links to documentation and customer support.

To access the Administration Console, point your browser at:

```
http://<YOUR_SERVER_NAME>:5100
```

Where <YOUR\_SERVER\_NAME> is the name of the Web server to which you installed Chili!Soft ASP and '5100' is default port to which the Administration Console is installed (If you selected a different port during installation, replace '5100' with the port that you selected). You will be prompted to log in before accessing the Administration Console; use the username and password that you supplied during installation.

The Administration Console allows system administrators to perform any task relating to the ASP engine(s) from a remote location. The following is a list of the primary functions that the Administration Console performs:

- **Manage a Server:** Allows you to add ASP servers and configure settings for existing ASP servers.

- **Server Properties:** Allows configuration of databases, ASP applications, and virtual hosts in addition to starting, stopping, and configuring the Web servers from which the ASP engine takes requests.
- **Monitor a Server:** Allows an administrator to view and track the performance of the ASP engine and Web server.

## Online Documentation

A copy of our online documentation is installed by default during your Chili!Soft ASP installation. Please make review this documentation before contacting our support team. By default, the documentation is placed at

`http://<YOUR_SERVER_NAME>/caspdoc`

Where `<YOUR_SERVER_NAME>` is the name of the Web server to which you installed Chili!Soft ASP.

The latest version of the documentation can always be accessed at

<http://www.chilisoft.com/caspdoc>

You can also find late-breaking information and complete installation information in the README located on your CD-ROM or on the Web at:

<http://www.chilisoft.com/readme>

# Appendix A: Installing Chili!Soft ASP for Linux

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This section of the UserGuide has been developed to help novice and intermediate users get up and running on Chili!Soft ASP for Linux. If you are experienced with Linux, Apache Web server and databases, you may wish to use the unabridged instructions found in the README or the online documentation (<http://www.chilisoft.com/caspdoc>). The README and documentation cover more sophisticated Chili!Soft ASP installations (such as non-DSO Apache installations). This installation section assumes that you are operating on a clean installation of Linux and Apache.

## System Requirements

### Hardware Requirements

- Memory: 128MB RAM (256MB recommended)
- Processor: Pentium class (x86)
- Hard Drive: 100MB free space

### Software Requirements

- Operating System:
  - RedHat Linux 6.0, 6.1, 6.2
  - Mandrake Linux 7.0
  - Slackware Linux 7.0
  - SuSE Linux 6.4
  - Red Hat for Cobalt RaQ3
- Web Server:
  - Apache 1.3.3, 1.3.4, 1.3.6, 1.3.9, 1.3.11, 1.3.12
  - Red Hat Secure Server 3.x
- Software:
  - Perl: /usr/bin/perl must exist on your server. All 5.x versions are supported.

## Optional Requirements

- Database (we ship with ODBC drivers for the following databases):
  - dBase 5
  - Informix 7, 9
  - MySQL 3.22.32-1
  - MS SQL Server 7.0
  - Oracle 8
  - PostgreSQL 6.5.2
  - Sybase 11
- Remote Database connectivity (we ship with the following ODBC driver):
  - SequeLink 4.51 (provides access to MS Access and MS SQL Server running on Windows NT; see notes in the README)
- Java Support:
  - JRE 1.2.2 or JDK 1.2.2 RC4 is required for Chili!Beans (see notes in the README)
- FrontPage:
  - FrontPage 2000 Server Extensions are supported (see notes in README)

## Installing Chili!Soft ASP

### Before Beginning the Chili!Soft ASP Installation

- You must be logged in as Root.
- You must have minimum of 100MB of free hard drive space.
- If you are installing from a downloaded version of Chili!Soft ASP, you should have the `LICENSE.LIC` file available during the installation process (the `LICENSE.LIC` file was emailed to you after you registered).

## Extracting Chili!Soft ASP

These instructions only apply to downloaded versions of Chili!Soft ASP.

1. Copy the downloaded \*.tar file to a temporary directory.
2. Extract the files using the following command:  

```
#> tar xvf casp-linux-<version>.tar
```

Where <version> is the version of Chili!Soft ASP that you downloaded.
3. This will create a few additional files. The files are listed below:
  - **README** - contains important and last minute information
  - **install.sh** - the installer script
  - **package/EULA**- end user's license agreement
  - **package/** - this directory contains all files required for installation

### Notes:

After installation is completed, all the files created in this step can be removed.

The installer will place an uninstall file in the installation directory. Once you are done with Chili!Soft ASP, you may uninstall the product by running the following command from within the installation directory:

```
#> ./uninstall
```

This will *permanently* delete all relevant directories.

## Installing Chili!Soft ASP

**NOTE:** You must be logged onto the machine as Root to perform this installation.

1. **INSTALL.SH SCRIPT:** Run the script install.sh on the CD or in the temporary directory created in the last section. From the command line, type the following command:  

```
#> ./install.sh
```
2. **EULA:** You will be prompted with the End-User License Agreement. Read the entire agreement and answer Y if you agree, and N if you do

not agree. If you do not agree with the EULA, you cannot continue to install the Chili!Soft ASP Server.

3. **INSTALLATION DIRECTORY:** You will then be asked for the target directory for the Chili!Soft ASP install.

At the prompt, type the full path for the installation and press **Return** (or **Enter**). If you do not specify an installation directory, the default directory for the installation will be `/opt/casp`. The install script will then install all the needed files for the Chili!Soft ASP Server.

4. **UPGRADE VS UNINSTALL:** If an older version of Chili!Soft ASP is detected on your system, you will be prompted for the option of either fully uninstalling the previous version of Chili!Soft ASP prior to installation, or upgrading to the new version.

If you choose upgrade, your license file will be preserved and a directory named `PreviousInstallationFiles` will be created under the directory from which you ran the `install.sh` script. Refer to the README file for more information on these files.

5. **LICENSE FILE:** You will be prompted for the location of the license file (`LICENSE.LIC`). Although you may complete the installation without a valid license file, Chili!Soft ASP will not run without a valid license file in the installation directory (by default, `/opt/casp`).
  - If you downloaded this product via the Web, you should have received an email with instructions on obtaining a license file.
  - If you are installing from a CDROM, the license file is located on the CD.
  - If you are upgrading from a previous installation, your license file will be preserved as long as you did not select the uninstall option.
6. **WEB SERVER SELECTION:** Next, you will be asked which Web server you would like to install Chili!Soft ASP to. The installer will provide you with several options for searching for Web servers. Select the Web server that you wish to install to.

If the Web server that you wish to install to is not listed, you may choose the option to select a Web server that is not listed.

7. **VERIFY WEB SERVER INFORMATION:** You will be asked to verify the information about your Web server that the installation script has determined. Since there are many possible configurations for Web servers, make sure that this information is correct. If you are unsure of the information, you may proceed and reinstall if the installation fails.
8. **'AUTO-SELECT' VS 'CUSTOMIZE' ASP INSTALLATION:** Next, you will be asked to select between 'Auto-select/Default' and 'Customize settings' options. These correlate to 'Standard' versus 'Advanced'

installations. We highly encourage novices to select the 'Auto-select' installation.

9. **'CUSTOMIZE' OPTIONS FOR ASP:** The 'Customize settings' installation for Chili!Soft ASP provides the following configuration options:
  - **Restart Web server**
  - **Enable Samples:** installs and configures the Chili!Soft ASP samples on your web server (`http://<your-server>/caspsamp`)
  - **Enable Documentation:** installs and configures the Chili!Soft ASP documentation on your web server (`http://<your-server>/caspdoc`)
  - **Start ASP on system boot**
  - **Start the Chili!Soft ASP server**
  
10. **'AUTO-SELECT' VS 'CUSTOMIZE' ADMINISTRATION CONSOLE INSTALLATION:** Next, you will be asked if you wish to install the Administration Console. You will be given the 'Auto-select/Default' versus 'Customize Settings' option; we encourage novices to select the 'Auto-select' option.
  
11. **'CUSTOMIZE' OPTIONS FOR ADMINISTRATION CONSOLE:** The 'Customize settings' installation for the Administration Console provides the following configuration options:
  - **Start Administration Console on system boot**
  - **Port:** select the port on which the Web server should listen for requests to the Administration Console.
  - **User ID and Password**
  
12. **DEFAULT USER ID AND PASSWORD FOR ADMINISTRATION CONSOLE:** If you selected 'Auto-select' for the Administration Console, the default user ID is 'admin' and the default password is 'root'. We highly recommend that you change these settings as soon as possible.
  
13. **SUMMARY FILE:** Upon completion of the installation, a summary file will be written to:  

```
<installation directory>/logs/install_summary
```

14. **CHANGES TO APACHE:** For information on the changes made by the install script to the Apache configuration files, see the "Supported Server Information" in the Chili!Soft ASP documentation.

## Appendix B: Additional Info About Chili!Soft ASP

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Chili!Soft ASP is available for the most widely used operating systems and Web servers:

Feature	Benefits
<p><b>Windows NT/2000 Server</b></p> <ul style="list-style-type: none"> <li>• Apache Web server</li> <li>• Domino R5</li> <li>• iPlanet Netscape Enterprise Server</li> <li>• O'Reilly Website Pro</li> </ul>	<p>Reuse existing infrastructure:</p> <ul style="list-style-type: none"> <li>• Seamlessly distribute your application across multiple platforms. The Web server, Database and Chili!Soft ASP can each reside on the operating system and hardware that is best suited for the given need.</li> </ul>
<p><b>Sun Solaris (SPARC)</b></p> <ul style="list-style-type: none"> <li>• Apache Web server</li> <li>• iPlanet Netscape Enterprise Server</li> </ul>	<p>Avoid the risks of platform lock-in:</p> <ul style="list-style-type: none"> <li>• Move your application to a different platform in the future with minimal switching costs.</li> </ul>
<p><b>IBM AIX</b></p> <ul style="list-style-type: none"> <li>• Apache Web server</li> <li>• iPlanet Netscape Enterprise Server</li> </ul>	<ul style="list-style-type: none"> <li>• Deploy on your choice of Web server, database, operating system, and hardware.</li> </ul>
<p><b>Hewlett-Packard HP-UX</b></p> <ul style="list-style-type: none"> <li>• Apache Web server</li> <li>• iPlanet Netscape Enterprise Server</li> </ul>	<p>Develop "best of breed" applications:</p> <ul style="list-style-type: none"> <li>• Choose the best development technology to meet your business objectives without worrying about platform compatibility.</li> </ul>
<p><b>Linux (RedHat, Slackware, SuSE, Mandrake)</b></p> <ul style="list-style-type: none"> <li>• Apache Web Server</li> <li>• Red Hat Secure Server</li> </ul>	<ul style="list-style-type: none"> <li>• Continue using technologies that are conducive to the existing business/development processes without future problems with vendor lock-in.</li> <li>• Reuse business components developed for previous projects.</li> </ul>

<p><b>Genuine Microsoft VBScript and Jscript scripting engines</b></p>	<p>Chili!Soft licenses the scripting engines from Microsoft for utmost compatibility with existing ASP applications.</p>
<p><b>Database access with Active Data Objects (ADO)</b></p>	<p>Chili!Soft's ADO component closely matches Microsoft's ADO. ADO provides the fastest, easiest, and most productive means for accessing all kinds of data sources in an identical manner.</p>
<p><b>Database connectivity through ODBC</b></p> <p><b>Chili!Soft ASP ships with the following ODBC drivers:</b></p> <ul style="list-style-type: none"> <li>• MS SQL Server</li> <li>• MS Access</li> <li>• Oracle</li> <li>• Informix</li> <li>• DB2</li> <li>• Dbase</li> <li>• Sybase</li> <li>• MySQL</li> <li>• PostgreSQL</li> </ul>	<p>Chili!Soft ASP can connect to any ODBC compliant database. The database can reside locally, on another machine, or on an entirely different operating system for maximum flexibility. ODBC is one of the most popular and easy means for connecting to a database.</p>
<p><b>Industry-leading RAD (Rapid Application Development) tools are supported</b></p> <p>This includes:</p> <ul style="list-style-type: none"> <li>• Microsoft Visual Interdev</li> <li>• Microsoft FrontPage 2000</li> <li>• Macromedia Drumbeat</li> <li>• NetObjects ScriptBuilder</li> <li>• Sybase PowerDesigner</li> </ul>	<p>By combining the power and reliability of Chili!Soft ASP with industry-leading ASP-generating RAD tools, organizations can quickly develop and deploy sophisticated Web applications with dynamic content and database connectivity.</p>

## For More Information

For more information about any of the previous topics, try the locations listed below:

- **Diagnostic Tests:** Check either your local copy of the Chili!Soft ASP documentation ([http://<your\\_server\\_name>/caspdoc](http://<your_server_name>/caspdoc)) or the online documentation at <http://www.chilisoft.com/caspdoc>. Appendix A of the online documentation, ‘Chili!Soft ASP Troubleshooting’ has more information about possible reasons why the diagnostic tests might fail.
- **Sample Applications:** The sample applications all contain the ‘View ASP Source’ link if you wish to take a closer look at how the applications work.

**Note:** The ‘Dos Perros Chili Company’ sample requires client-side VBScript and Active-X support (you will need Internet Explorer 4.0 or higher).

- **ASP Administration Console:** The online documentation for the Administration Console contains more information about what this tool can do and how it works. Point your browser to <http://www.chilisoft.com/caspdoc> (or point your browser to your local copy of the Chili!Soft ASP documentation at [http://<your\\_server\\_name>/caspdoc](http://<your_server_name>/caspdoc)). Navigate to Chapter 4, ‘Chili!Soft ASP Administration Console’. This documentation can also be found under the ‘documentation’ link in the ASP Administration Console.
- **White Papers:** Check out our many White Papers at <http://www.chilisoft.com/whitepeppers>. These documents cover a wide array of topics. For more information on the available White Papers, check Appendix C in this document.
- **ASP References:** We maintain an exhaustive list of references to help our customers get up and running with Chili!Soft ASP as quickly as possible. Point your browser to <http://www.chilisoft.com/allaboutasp> for links to ASP Web sites, listservers/forums, books and more.

## Appendix C: Chili!Soft White Papers

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Listed below are all Chili!Soft's White Papers. Please visit our Web site to download an Adobe Acrobat (\*.pdf) or Microsoft Word (\*.doc) version of any of these white papers. The white papers are available by pointing your browser to: <http://www.chilisoft.com/whitepeppers/>.

**What is ASP?** Provides an overview of Active Server Pages technology and its uses.

**Chili!Soft ASP Scalability and Performance:** Provides in-depth information about different configurations that are available and methods through which to increase performance and up-size the server environment.

**Chili!Soft ASP Development Tools:** Provides information about tools that can be used to develop ASP sites. Includes information on common usage of tools as well as recommended experience levels.

**Platform Independent ASP Development Strategies:** Provides information about key development issues that should be addressed to make the porting of ASP applications as easy as possible. Chili!Soft has gone to great lengths to be as compatible as possible with Microsoft's ASP. Most of the issues addressed deal with operating system idiosyncrasies that must be considered.

**Hosting Data Driven ASP sites using Chili!Soft ASP:** Provides information about connecting and using different databases. There is extensive information on porting Access databases to other file-based databases that are readily available on Unix.

**Why Chili!Soft ASP makes sense to IT Management:** Addresses issues regarding the benefits of moving to an ASP-centric development model.

**How ISPs can expand their Hosting Business with Chili!Soft ASP:** Provides information about the many benefits and advantages that ASP offers to Web site hosting companies.

## Appendix C: Company and Product Overview

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### About ASP

ASP is an open, compile-free Web application environment that combines scripting, HTML, custom server components and robust database publishing to create dynamic Web-based business applications. With ASP, developers can build browser-independent Web solutions and publish legacy databases to the Web using tools such as Microsoft's Visual InterDev™ and FrontPage2000™, Macromedia™ Drumbeat™, NetObjects ScriptBuilder™, or Sybase™ PowerSite. ASP is widely known for accommodating developers of varying skill sets and expertise, and for allowing corporate IT managers to more effectively allocate scarce developer resources. There are more than 1,000,000 ASP developers, over 500 companies producing ASP components and applications.

### About Chili!Soft

Chili!Soft, Inc., a subsidiary of Cobalt Networks Inc. (NASDAQ: COBT), is a provider of enabling technologies and applications for Active Server Pages. Chili!Soft's award-winning flagship product, Chili!Soft ASP, extends the ASP framework to major Web servers and operating systems including Microsoft Windows NT and Windows 2000, Sun Solaris, IBM AIX, Hewlett Packard HP-UX, and Linux. Chili!Soft was incorporated in 1997 with headquarters in Bellevue, Washington. For more information about the company, please visit the Chili!Soft Web site at [www.chilisoft.com](http://www.chilisoft.com) or call (425) 957-1122.