

Grundlegende Informationen zur Einrichtung des SSLVPN beim DSR-500N/1000N (FW 1.04Bxx).

Szenario:

Benutzer möchte aus dem Ausland eine verschlüsselte Verbindung über das Internet in sein Netzwerk herstellen (z.B. um auf lokale Netzwerkfreigaben zugreifen zu können oder um Netzwerkblockaden umgehen zu können).

Benutzer möchte auf seinem PC kein VPN Programm installieren.

Für weitergehende Funktionalitäten des SSLVPN schlagen Sie bitte im Handbuch nach.

*Mit * gekennzeichnete Werte sind bereits werkseitig vorhanden.*

- 1.) WAN Status prüfen und ggfls. Internetverbindung herstellen

WAN1 Information

| | |
|-------------------------------|---|
| MAC Address: | 00:18:E7:CD:69:52 |
| IPv4 Address: | 192.168.30.2 / 255.255.255.252 |
| IPv6 Address: | fe80::218:e7ff:fe8d:6952 / 64 |
| Wan State: | UP |
| NAT (IPv4 only): | Enabled |
| IPv4 Connection Type: | Static IP |
| IPv6 Connection Type: | Dynamic IP (DHCPv6) |
| IPv4 Connection State: | Connected |
| IPv6 Connection State: | Not Yet Connected |
| Link State: | LINK UP |
| WAN Mode: | Use only single WAN port: Dedicated WAN |
| Gateway: | 192.168.30.1 |
| Primary DNS: | 192.168.30.1 |
| Secondary DNS: | 192.168.10.1 |
| Primary DNS(IPv6): | |
| Secondary DNS(IPv6): | |

2.) „SSLVPN“ für die gewünschte VPN-Verbindung anlegen.

Wählen Sie „VPN Settings“ - „SSL VPN Server“ – „Portal Layouts“

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_WW

The screenshot shows the 'VPN Settings' page. The left sidebar has 'VPN Settings' expanded to show 'SSL VPN Server' and 'SSL VPN Client'. 'SSL VPN Server' is further expanded to show 'Portal Layouts' selected. The main content area shows the 'Internet Connection Setup Wizard' with a 'Manual Internet Connection Setup' button.

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_WW

The screenshot shows the 'Portal Layouts' page. At the top, it says 'Operation succeeded'. Below is a table titled 'List of of Layouts' with the following data:

| | Layout Name | Use Count | Portal URL |
|--------------------------|-------------|-----------|------------------------------------|
| <input type="checkbox"/> | SSLVPN* | 1 | https://192.168.30.2/portal/SSLVPN |
| <input type="checkbox"/> | DLink | 0 | https://192.168.30.2/portal/DLink |

Below the table are buttons for 'Edit', 'Delete', 'Set Default', and 'Add'.

Klicken Sie auf Add um eine neues VPN anzulegen oder bearbeiten (Edit) Sie das bereits werkseitig angelegte SSLVPN*.

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_VW

DSR-1000N // SETUP ADVANCED TOOLS STATUS HELP

Wizard
Internet Settings
Wireless Settings
Network Settings
DMZ Setup
VPN Settings
USB Settings
VLAN Settings

PORTAL LAYOUT CONFIGURATION LOGOUT

This page allows you to add a new portal layout or edit the configuration of an existing portal layout. The details will then be displayed in the List of Portal Layouts table on the SSL VPN Server > Portal Layouts page under the VPN menu.

Save Settings Don't Save Settings

Portal Layout and Theme Name

Portal Layout Name: DLink
Portal Site Title (Optional): DLink-DCE
Banner Title (Optional): DLink-DCE
Banner Message (Optional): Welcome_to_DSR-1000N_SSLVPN
Display banner message on login page:
HTTP meta tags for cache control (recommended):
ActiveX web cache cleaner:

SSL VPN Portal Pages to Display

VPN Tunnel page:
Port Forwarding:

Helpful Hints...
When remote users want to access the private network through an SSL tunnel (either using the Port Forwarding or VPN tunnel service), they login through the Client Portal. This portal provides the authentication fields to provide the appropriate access levels and privileges as determined by the router.
More...

UNIFIED SERVICES ROUTER

Bitte geben Sie wie im Beispiel angegeben, die Beschreibung für den jeweiligen Service ein und klicken Sie zum Speichern auf „Save Settings“ (Derzeit werden leider keine Leerzeichen in der Banner-Meldung unterstützt.)

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_VW

DSR-1000N // SETUP ADVANCED TOOLS STATUS HELP

Wizard
Internet Settings
Wireless Settings
Network Settings
DMZ Setup
VPN Settings
USB Settings
VLAN Settings

Operation succeeded

PORTAL LAYOUTS LOGOUT

The table lists the SSL portal layouts configured for this device and allows several operations on the portal layouts.

List of of Layouts

| | Layout Name | Use Count | Portal URL |
|--------------------------|-------------|-----------|------------------------------------|
| <input type="checkbox"/> | SSLVPN* | 1 | https://192.168.30.2/portal/SSLVPN |
| <input type="checkbox"/> | DLink | 0 | https://192.168.30.2/portal/DLink |

Edit Delete Set Default Add

Helpful Hints...
The router allows you to create a custom page for remote SSL VPN users that is presented upon authentication. Login instructions, available services, and other usage details that are specific to a domain are useful to present on the authentication portal. Portals are assigned to the user domain.
More...

UNIFIED SERVICES ROUTER

In der Übersicht sehen Sie den/die von Ihnen angelegten SSLVPN(s) inkl. des Standard VPN.

3.) Konfigurieren des SSLVPN Clientbereiches

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_WW

D-Link

| DSR-1000N | SETUP | ADVANCED | TOOLS | STATUS | HELP |
|---|--|----------|-------|--------|---|
| <ul style="list-style-type: none"> Wizard ▶ Internet Settings ▶ Wireless Settings ▶ Network Settings ▶ DMZ Setup ▶ VPN Settings ▶ <ul style="list-style-type: none"> IPsec ▶ PPTP ▶ L2TP ▶ SSL VPN Server ▶ SSL VPN Client ▶ Secondary DNS Server ▶ Client Address Range ▶ Client Address Range End ▶ LCP Timeout: ▶ USB Settings ▶ VLAN Settings ▶ | <p>SSL VPN CLIENT LOGOUT</p> <p>An SSL VPN tunnel client provides a point-to-point connection between the browser-side machine and this device. When a SSL VPN client is launched from the user portal, a "network adapter" with an IP address, DNS and WINS settings is automatically created, which allows local applications to talk to services on the private network without any special network configuration on the remote SSL VPN client machine.</p> <p style="text-align: right;"><input type="button" value="Don't Save Settings"/></p> <hr/> <p>Client Address Range <input type="text" value="192.168.251.1"/> <input type="text" value="192.168.251.254"/></p> <p>Client Address Range End: <input type="text" value="192.168.251.254"/></p> <p>LCP Timeout: <input type="text" value="60"/> (Seconds)</p> | | | | <p>Helpful Hints...</p> <p>An SSL VPN tunnel client provides a point-to-point connection between the browser-side machine and this router.</p> <p>When a SSL VPN client is launched from the user portal, a "network adapter" with an IP address from the corporate subnet, DNS and WINS settings is automatically created. The IP addresses of the client's network interfaces (Ethernet, Wireless, etc.) cannot be identical to the router's IP address or a server on the corporate LAN that is being accessed through the SSL VPN tunnel.</p> <p>More...</p> |

UNIFIED SERVICES ROUTER

Klicken Sie auf SSLVPN um die Clienteneinstellungen anzupassen.

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_VW

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| DSR-1000N | SETUP | ADVANCED | TOOLS | STATUS | HELP |
|--|---|----------|-------|--------|--|
| <ul style="list-style-type: none"> Wizard ▶ Internet Settings ▶ Wireless Settings ▶ Network Settings ▶ DMZ Setup ▶ VPN Settings ▶ USB Settings ▶ VLAN Settings ▶ | <div style="background-color: #0070C0; color: white; padding: 2px; text-align: center;">SSL VPN CLIENT</div> <div style="text-align: right; color: white; font-size: small;">LOGOUT</div> <p style="font-size: x-small; margin-top: 5px;">An SSL VPN tunnel client provides a point-to-point connection between the browser-side machine and this device. When a SSL VPN client is launched from the user portal, a "network adapter" with an IP address, DNS and WINS settings is automatically created, which allows local applications to talk to services on the private network without any special network configuration on the remote SSL VPN client machine.</p> <div style="text-align: center; margin-top: 5px;"> <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> </div> <hr/> <div style="background-color: #333; color: white; padding: 2px;">Client IP Address Range</div> <p>Enable Split Tunnel Support: <input type="checkbox"/></p> <p>DNS Suffix (Optional) : <input type="text"/></p> <p>Primary DNS Server (Optional) : <input type="text"/></p> <p>Secondary DNS Server (Optional) : <input type="text"/></p> <p>Client Address Range Begin: <input type="text" value="192.168.200.1"/></p> <p>Client Address Range End: <input type="text" value="192.168.200.254"/></p> <p>LCP Timeout: <input type="text" value="60"/> (Seconds)</p> | | | | <p>Helpful Hints...</p> <p style="font-size: x-small;">An SSL VPN tunnel client provides a point-to-point connection between the browser-side machine and this router. When a SSL VPN client is launched from the user portal, a "network adapter" with an IP address from the corporate subnet, DNS and WINS settings is automatically created. The IP addresses of the client's network interfaces (Ethernet, Wireless, etc.) cannot be identical to the router's IP address or a server on the corporate LAN that is being accessed through the SSL VPN tunnel.</p> <p style="color: #0070C0; font-size: x-small;">More...</p> |

UNIFIED SERVICES ROUTER

Passen Sie die Clienteneinstellungen Ihren Bedürfnissen an (standardmäßig ist als Client-IP-Bereich 192.168.251.1-254 eingestellt) und klicken Sie zum Speichern auf „Save Settings“ (Bitte verwenden Sie nicht den LAN IP Adressbereich des DSR-1000N.)

4.) Einrichten der SSLVPN Domäne

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_WW

D-Link

DSR-1000N // SETUP ADVANCED TOOLS STATUS HELP

Application Rules ▶
Website Filter ▶
Firewall Settings ▶
Wireless Settings ▶
Advanced Network ▶
Routing ▶
Certificates
Users ▶
IP/MAC Binding
IPv6 ▶
Radius Settings
Switch Settings

DOMAINS LOGOUT

This page shows the list of added domains to the router. The user can add, delete and edit the domains also.

List of Domains

| <input type="checkbox"/> | Domain Name | Authentication Type | Portal Layout Name |
|--------------------------|-------------|---------------------|--------------------|
| <input type="checkbox"/> | SSLVPN * | Local User Database | SSLVPN |

Get Users DB Edit Delete Add

Helpful Hints...
The Domain determines the authentication method for a VPN or GUI user. For SSL VPN connections, the domain sets the portal layout and corresponding SSL VPN features. You must create a Domain first, and then a new Group can be created and assigned to the Domain. The last step is to add specific SSL VPN users to an already-configured Group.
[More...](#)

UNIFIED SERVICES ROUTER

Klicken Sie auf Add um eine neues Domäne anzulegen oder bearbeiten (Edit) Sie die bereits Werkseitig angelegte SSLVPN* Domäne.

DSR-1000N // SETUP ADVANCED TOOLS STATUS HELP

Application Rules ▶
Website Filter ▶
Firewall Settings ▶
Wireless Settings ▶
Advanced Network ▶
Routing ▶
Certificates
Users ▶
IP/MAC Binding
IPv6 ▶
Radius Settings
Switch Settings

DOMAINS LOGOUT

This page allows a user to add a new domain.

Save Settings Don't Save Settings

Domains Configuration Save Settings

Domain Name: DLink

Authentication Type: Local User Database ▼

Select Portal: DLink ▼

Authentication Server 1: []

Authentication Server 2: [] (Optional)

Authentication Server 3: [] (Optional)

Timeout: 480 (Seconds)

Retries: 5

Authentication Secret: []

Authentication Secret2: []

Workgroup: []

Second Workgroup: [] (Optional)

LDAP Base DN: []

Second LDAP Base DN: [] (Optional)

Active Directory Domain: []

Second Active Directory Domain: [] (Optional)

Helpful Hints...
Do you know that a domain can have multiple groups attached to it.
More...

UNIFIED SERVICES ROUTER

Im Beispiel wurde der gleiche Name für die Domäne verwendet, um die Übersichtlichkeit zu erhöhen. Gleichzeitig wird die „Local User Database“ unter Authentication Type ausgewählt. (Sollten Sie eine der anderen Authentifizierungsarten verwenden, bitte entsprechend auswählen.) Als Portal wurde hier „DLink“ ausgewählt, welches in den vorangegangenen Schritten angelegt wurde. Die anderen Einstellungen werden in diesem Beispiel nicht verändert. Klicken Sie auf den Button „Save Settings“ um die Eingaben zu übernehmen.

D-Link[®]

| DSR-1000N | SETUP | ADVANCED | TOOLS | STATUS | HELP | | | | | | | | | | | | | | | |
|--|---------------------|---------------------|--------------------|--------|---|-----------------|--|--|--|--|-------------|---------------------|--------------------|--------------------------|----------|---------------------|--------|--------------------------|-------|---------------------|
| <ul style="list-style-type: none"> Application Rules ▶ Website Filter ▶ Firewall Settings ▶ Wireless Settings ▶ Advanced Network ▶ Routing ▶ Certificates Users ▶ IP/MAC Binding IPv6 ▶ Radius Settings Switch Settings | Operation succeeded | | | | <p>Helpful Hints...</p> <p>The Domain determines the authentication method for a VPN or GUI user. For SSL VPN connections, the domain sets the portal layout and corresponding SSL VPN features. You must create a Domain first, and then a new Group can be created and assigned to the Domain. The last step is to add specific SSL VPN users to an already-configured Group.</p> <p>More...</p> | | | | | | | | | | | | | | | |
| <div style="background-color: #0056b3; color: white; padding: 2px; display: flex; justify-content: space-between;"> DOMAINS LOGOUT </div> <p style="margin: 5px 0;">This page shows the list of added domains to the router. The user can add, delete and edit the domains also.</p> <table border="1" style="width: 100%; border-collapse: collapse; background-color: #f2f2f2;"> <thead> <tr> <th colspan="4" style="background-color: #333; color: white;">List of Domains</th> </tr> <tr> <th style="width: 5%;"></th> <th style="width: 30%;">Domain Name</th> <th style="width: 30%;">Authentication Type</th> <th style="width: 35%;">Portal Layout Name</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>SSLVPN *</td> <td>Local User Database</td> <td>SSLVPN</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>DLink</td> <td>Local User Database</td> <td>DLink</td> </tr> </tbody> </table> <div style="text-align: center; margin-top: 10px;"> <input type="button" value="Edit"/> <input type="button" value="Delete"/> <input type="button" value="Add"/> </div> | | | | | | List of Domains | | | | | Domain Name | Authentication Type | Portal Layout Name | <input type="checkbox"/> | SSLVPN * | Local User Database | SSLVPN | <input type="checkbox"/> | DLink | Local User Database |
| List of Domains | | | | | | | | | | | | | | | | | | | | |
| | Domain Name | Authentication Type | Portal Layout Name | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | SSLVPN * | Local User Database | SSLVPN | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | DLink | Local User Database | DLink | | | | | | | | | | | | | | | | | |

UNIFIED SERVICES ROUTER

In der Übersicht sehen Sie den/die von Ihnen angelegten Domänen für das SSLVPN inkl. der standardmäßig Angelegten Domäne SSLVPN.

5.) Anlegen der Benutzerkonten für das SSLVPN

Product Page: DSR-500N Hardware Version: A1 Firmware Version: 1.04B49_WW

APPLICATION RULES [LOGOUT](#)

The table lists all the available port triggering rules and allows several operations on the rules.

List of Available Application Rules

| | Name | Enable | Protocol | Interface | Outgoing Ports | | Incoming Ports | |
|--------------------------|------|--------|----------|-----------|----------------|----------|----------------|----------|
| | | | | | Start Port | End Port | Start Port | End Port |
| <input type="checkbox"/> | | | | | | | | |

[Edit](#) [Delete](#) [Add](#)

Helpful Hints...
Application rules are also referred to as port forwarding rules. Devices on the LAN or DMZ can send a request to the Internet along one of the defined outgoing ports, and then the configured rule will open the corresponding incoming port for the specified type of traffic coming from the WAN. Note that port triggering is not appropriate for servers on the LAN, since there is a dependency on the LAN device making an outgoing connection before incoming ports are opened.
[More...](#)

wählen Sie Users -> Groups aus

Product Page: DSR-500N Hardware Version: A1 Firmware Version: 1.04B49_WW

GROUPS [LOGOUT](#)

This page shows the list of added groups to the router. The user can add, delete and edit the groups also.

List of Groups

| | Group | Description |
|--------------------------|-------|-------------|
| <input type="checkbox"/> | ADMIN | Admin Group |
| <input type="checkbox"/> | GUEST | Guest Group |

[Edit](#) [Delete](#) [Add](#)

[Login Policies](#) [Policies By Browsers](#) [Policies By IP](#)

Helpful Hints...
Login policies, Policies by Browser and Policies by IP can only be configured for groups having sslvpn, admin, guest and captiveportal privileges.
[More...](#)

Klicken Sie auf Add um eine neue Benutzergruppe anzulegen oder bearbeiten (Edit) Sie eine der bereits werkseitig angelegten Benutzergruppen.

| DSR-500N | SETUP | ADVANCED | TOOLS | STATUS | HELP |
|--|--|----------|-------|--------|---|
| <ul style="list-style-type: none"> Application Rules ▶ Website Filter ▶ Firewall Settings ▶ Wireless Settings ▶ Advanced Network ▶ Routing ▶ Certificates Users ▶ IP/MAC Binding IPv6 ▶ Radius Settings Captive Portal ▶ Switch Settings Intel[®] AMT | <div style="text-align: right;">LOGOUT</div> <h3>GROUP CONFIGURATION</h3> <p>This page allows user to add a new user group. Once this group is added, a user can then add system users to it.</p> <p> <input type="button" value="Save Settings"/> <input type="button" value="Don't Save Settings"/> </p> <hr/> <h4>Group Configuration</h4> <p> Group Name: <input type="text" value="SSLVPN"/> Description: <input type="text" value="SSLVPN"/> </p> <hr/> <h4>UserType</h4> <p> PPTP User: <input type="checkbox"/> L2TP User: <input type="checkbox"/> Xauth User: <input type="checkbox"/> SSLVPN User: <input checked="" type="checkbox"/> Admin: <input type="checkbox"/> Guest User (readonly): <input type="checkbox"/> Captive Portal User: <input type="checkbox"/> Idle Timeout: <input type="text" value="10"/> (Seconds) </p> | | | | <p>Helpful Hints...</p> <p>Do you know that you can associate multiple users to a single group.</p> <p>More...</p> |
| <h3>SSLVPN Settings</h3> <p> Portal Name: <input type="text" value="SSLVPN"/> </p> <p> Authentication Type: <input type="text" value="Local User Database"/> </p> <p> Authentication Server 1: <input type="text"/> </p> <p> Authentication Server 2: <input type="text"/> (Optional) </p> <p> Authentication Server 3: <input type="text"/> (Optional) </p> <p> Authentication Secret 1: <input type="text"/> </p> <p> Authentication Secret 2: <input type="text"/> (Optional) </p> <p> LDAP attribute 1: <input type="text"/> </p> <p> LDAP attribute 2: <input type="text"/> </p> <p> LDAP attribute 3: <input type="text"/> </p> <p> LDAP attribute 4: <input type="text"/> </p> <p> Workgroup: <input type="text"/> </p> <p> Second Workgroup: <input type="text"/> (Optional) </p> <p> LDAP Base DN: <input type="text"/> </p> <p> Second LDAP Base DN: <input type="text"/> (Optional) </p> <p> Active Directory Domain: <input type="text"/> </p> <p> Second Active Directory Domain: <input type="text"/> (Optional) </p> | | | | | |

Erstellen Sie hier eine Benutzergruppe „SSLVPN“ für das von Ihnen angelegte SSLVPN und wählen Sie dieses bei Portal Name aus. *In dem Beispiel wählen Sie bitte das vorher beispielhaft angelegte SSLVPN Portal „DLink“ aus.*

wählen Sie Users -> Users aus

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_WW

D-Link

DSR-1000N // SETUP ADVANCED TOOLS STATUS HELP

Application Rules ▾
Website Filter ▾
Firewall Settings ▾
Wireless Settings ▾
Advanced Network ▾
Routing ▾
Certificates ▾
Users ▾
IP/MAC Binding ▾
IPv6 ▾
Radius Settings ▾
Switch Settings ▾

Operation succeeded

USERS LOGOUT

This page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users.

List of Users

| <input type="checkbox"/> | User Name | Group | Type | Authentication Domain | Login Status |
|--------------------------|-----------|--------|---------------|-----------------------|-----------------------|
| <input type="checkbox"/> | admin * | SSLVPN | Administrator | Local User Database | Enabled (LAN and WAN) |
| <input type="checkbox"/> | guest * | SSLVPN | Guest | Local User Database | Disabled |

Edit Delete Add

Login Policies Policies By Browsers Policies By IP

UNIFIED SERVICES ROUTER

Helpful Hints...
Authentication of the users (IPsec, SSL VPN, or GUI) is done by the router using either a local database on the router or external authentication servers (i.e. LDAP or RADIUS). User level policies can be specified by browser, IP address of the host, and whether the user can login to the router's GUI in addition to the SSL VPN portal
[More...](#)

Klicken Sie auf Add um einen neuen Benutzer anzulegen oder bearbeiten (Edit) Sie einen bereits werkseitig angelegten Benutzer.

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_WW

D-Link

DSR-1000N // SETUP ADVANCED TOOLS STATUS HELP

Application Rules ▾
Website Filter ▾
Firewall Settings ▾
Wireless Settings ▾
Advanced Network ▾
Routing ▾
Certificates ▾
Users ▾
IP/MAC Binding ▾
IPv6 ▾
Radius Settings ▾
Switch Settings ▾

USERS CONFIGURATION LOGOUT

This page allows a user to add new system users.

Save Settings Don't Save Settings

Users Configuration

User Name: DLink-SSL-User
First Name: Max
Last Name: Mustermann
User Type: SSL VPN User
Select Group: DLink
Password: ●●●●●●
Confirm Password: ●●●●●●
Idle Timeout: 60 (Minutes)

UNIFIED SERVICES ROUTER

Helpful Hints...
This page provides a consolidated database, where you can add different types of system users and then can associate them with different domains.
[More...](#)

Passen Sie die Benutzereinstellungen Ihren Bedürfnissen an und klicken Sie zum Speichern auf „Save Settings“. Als Gruppe/Portal/Domäne wurde hier „DLink“ ausgewählt, welche in den vorangegangenen Schritten angelegt wurde.
Weiterhin wurde der Username als SSL VPN User definiert.

Product Page: DSR-1000N Hardware Version: A1 Firmware Version: 1.03B12_WW

D-Link

DSR-1000N // SETUP ADVANCED TOOLS STATUS HELP

Application Rules Website Filter Firewall Settings Wireless Settings Advanced Network Routing Certificates Users IP/MAC Binding IPv6 Radius Settings Switch Settings

Operation succeeded

USERS LOGOUT

This page shows a list of available users in the system. A user can add, delete and edit the users also. This page can also be used for setting policies on users.

List of Users

| <input type="checkbox"/> | User Name | Group | Type | Authentication Domain | Login Status |
|--------------------------|----------------|--------|---------------|-----------------------|-----------------------|
| <input type="checkbox"/> | admin * | SSLVPN | Administrator | Local User Database | Enabled (LAN and WAN) |
| <input type="checkbox"/> | guest * | SSLVPN | Guest | Local User Database | Disabled |
| <input type="checkbox"/> | DLink-SSL-User | DLink | SSL VPN User | Local User Database | Enabled (LAN and WAN) |

Edit Delete Add

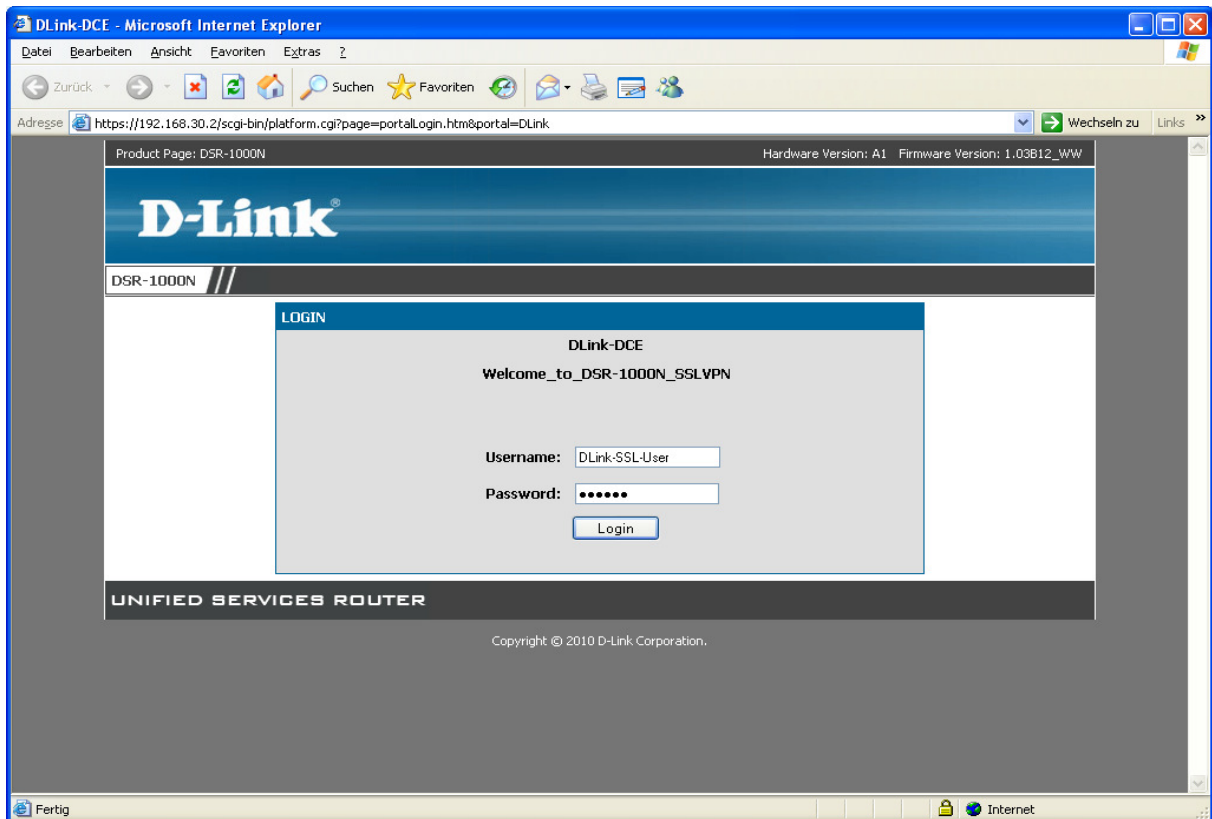
Login Policies Policies By Browsers Policies By IP

Helpful Hints...
Authentication of the users (IPsec, SSL VPN, or GUI) is done by the router using either a local database on the router or external authentication servers (i.e. LDAP or RADIUS). User level policies can be specified by browser, IP address of the host, and whether the user can login to the router's GUI in addition to the SSL VPN portal
[More...](#)

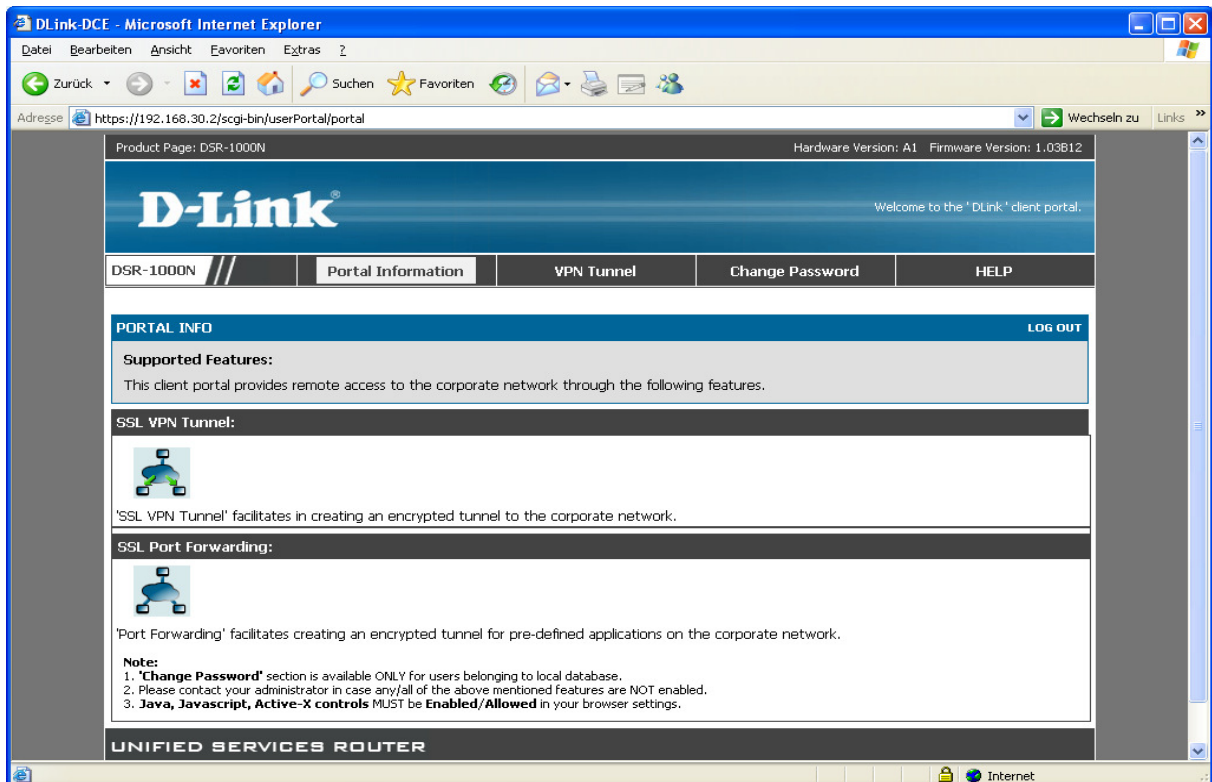
UNIFIED SERVICES ROUTER

In der Übersicht sehen Sie den/die von Ihnen angelegten Benutzer für das System inkl. der standardmäßig angelegten Benutzer.

6.) Testen des SSLVPN

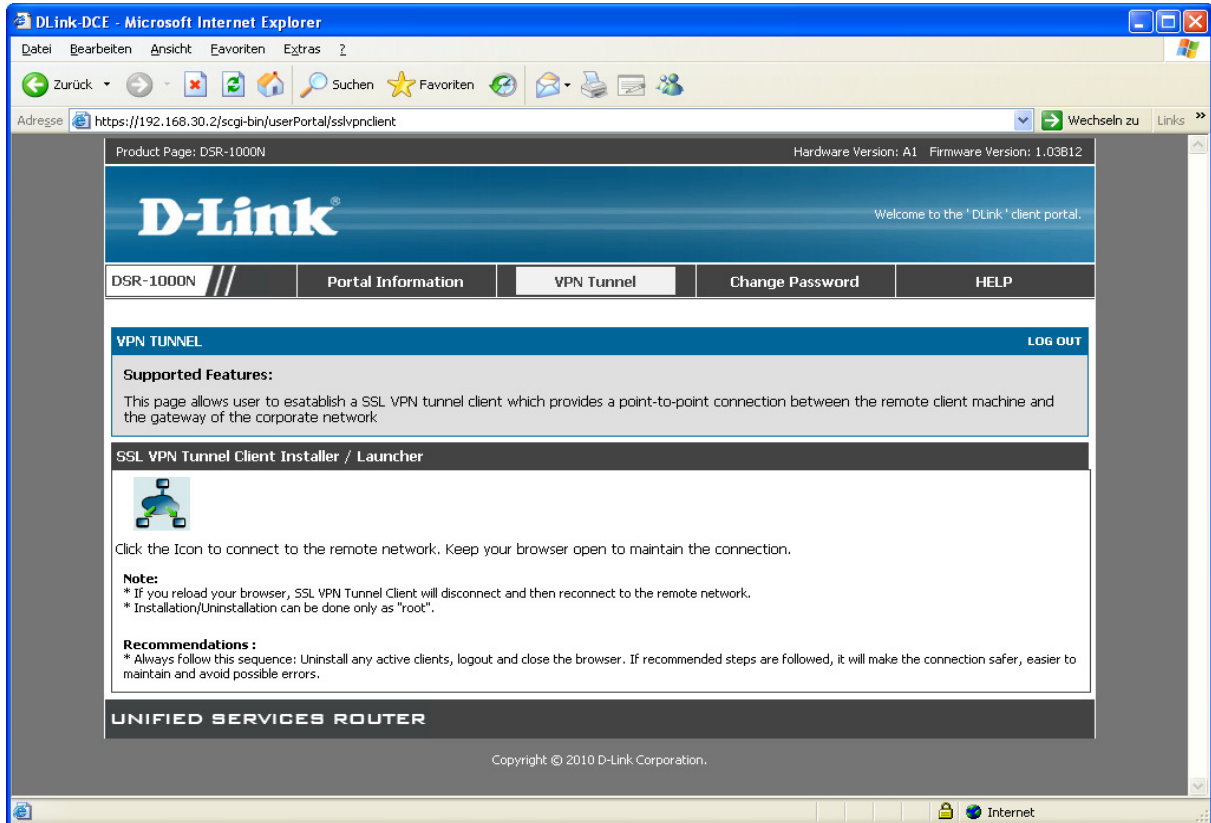


Öffnen Sie die Webseite des SSLVPN (in diesem Fall <https://192.168.30.2/portal/DLink>) und geben Sie den Benutzernamen und das Passwort des SSLVPN Benutzers ein. Mit „Login“ senden Sie die Eingaben an das Gerät und loggen sich remote ein.

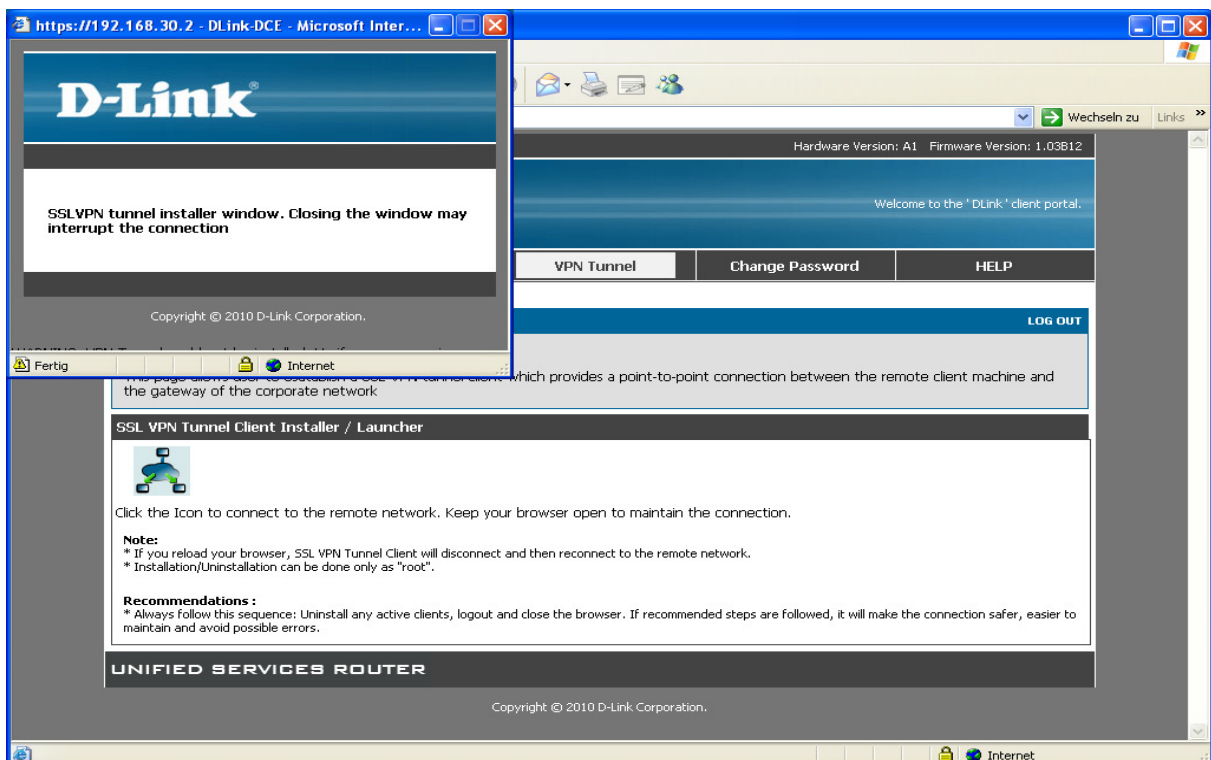


Nach dem Login erscheint die „Portal Information“ Seite. Wechseln Sie jetzt bitte zum Reiter VPN Tunnel.

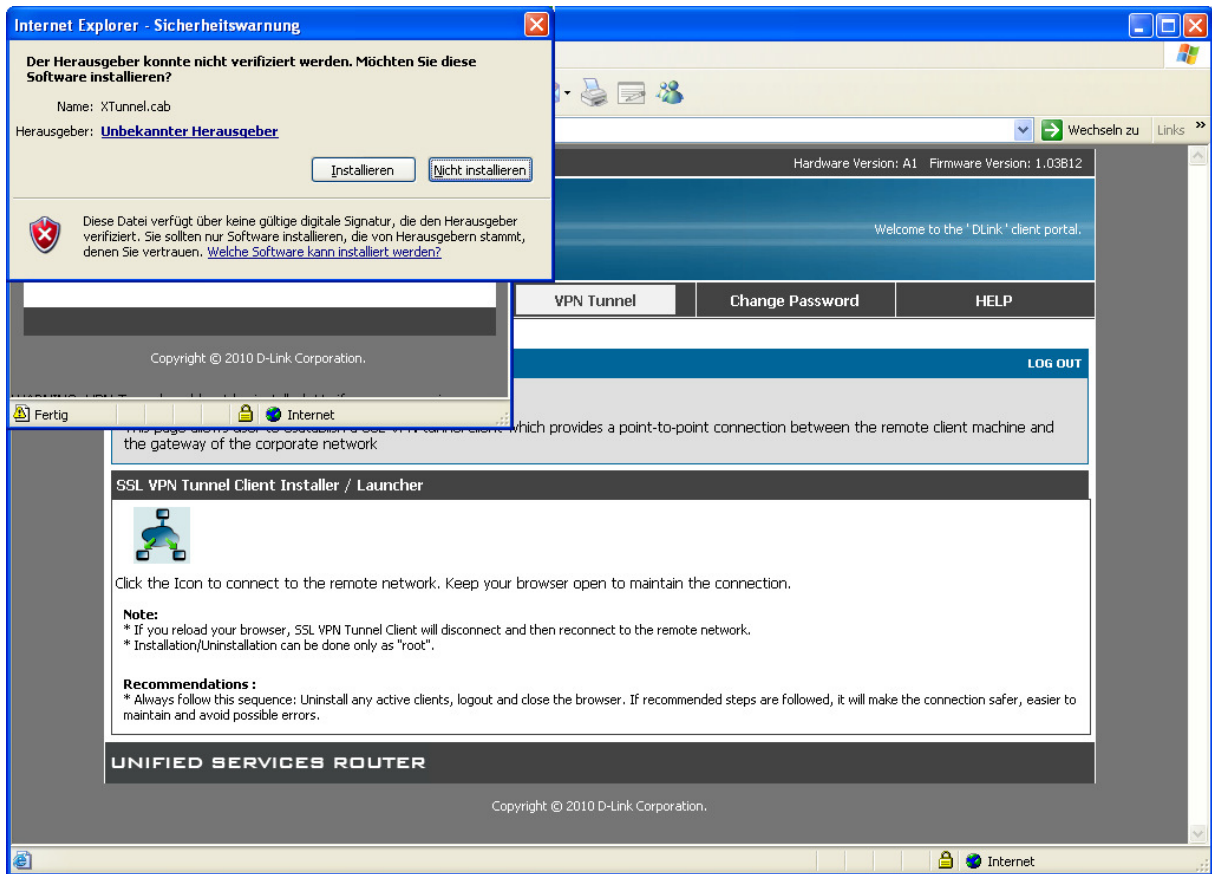
Stellen Sie bitte sicher, dass sie die Adresse des SSLVPN Servers (hier z.B. <https://192.168.30.2>) als „Vertrauenswürdige Sites“ in Ihrem Browser (z.B. IE8) eingetragen haben.



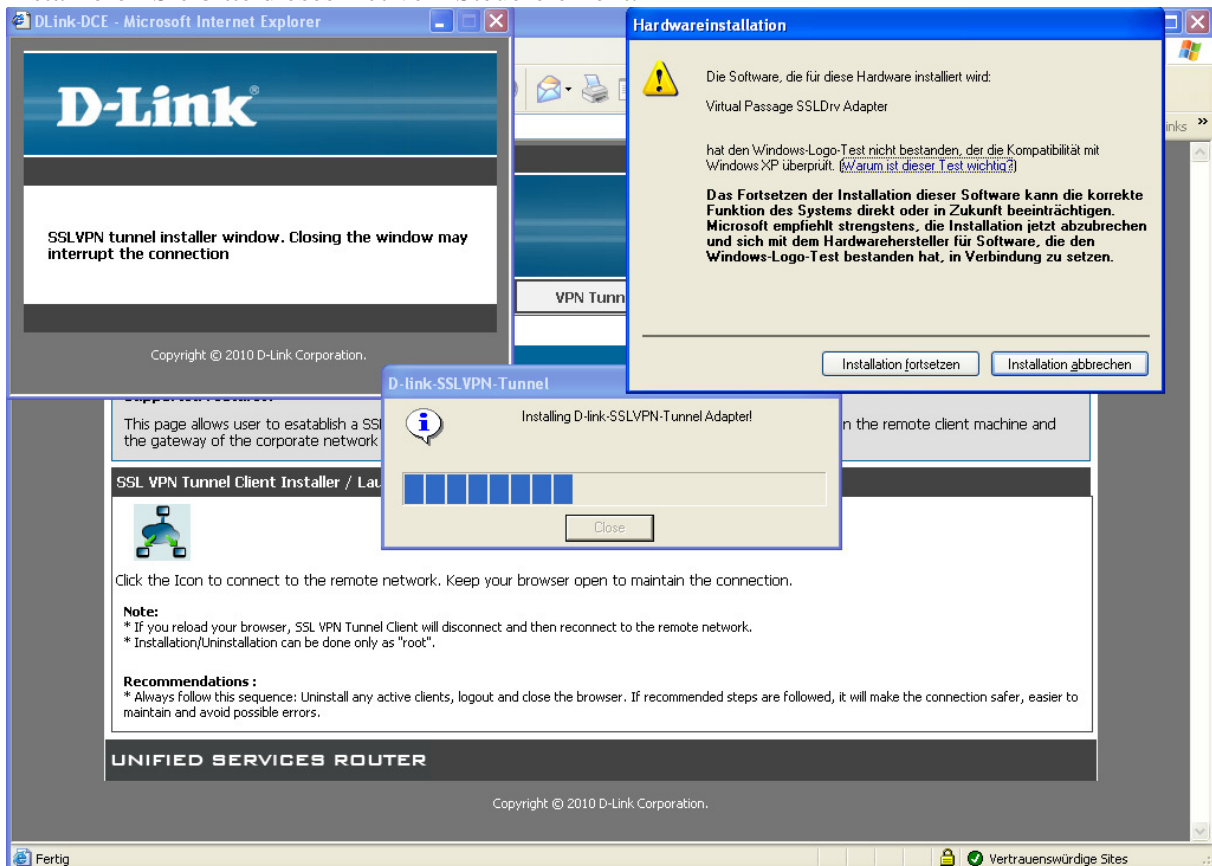
Klicken Sie jetzt auf das „Netzwerksymbol“ auf der Webseite.



Ein neues Fenster öffnet sich, schließen Sie dieses bitte nicht.



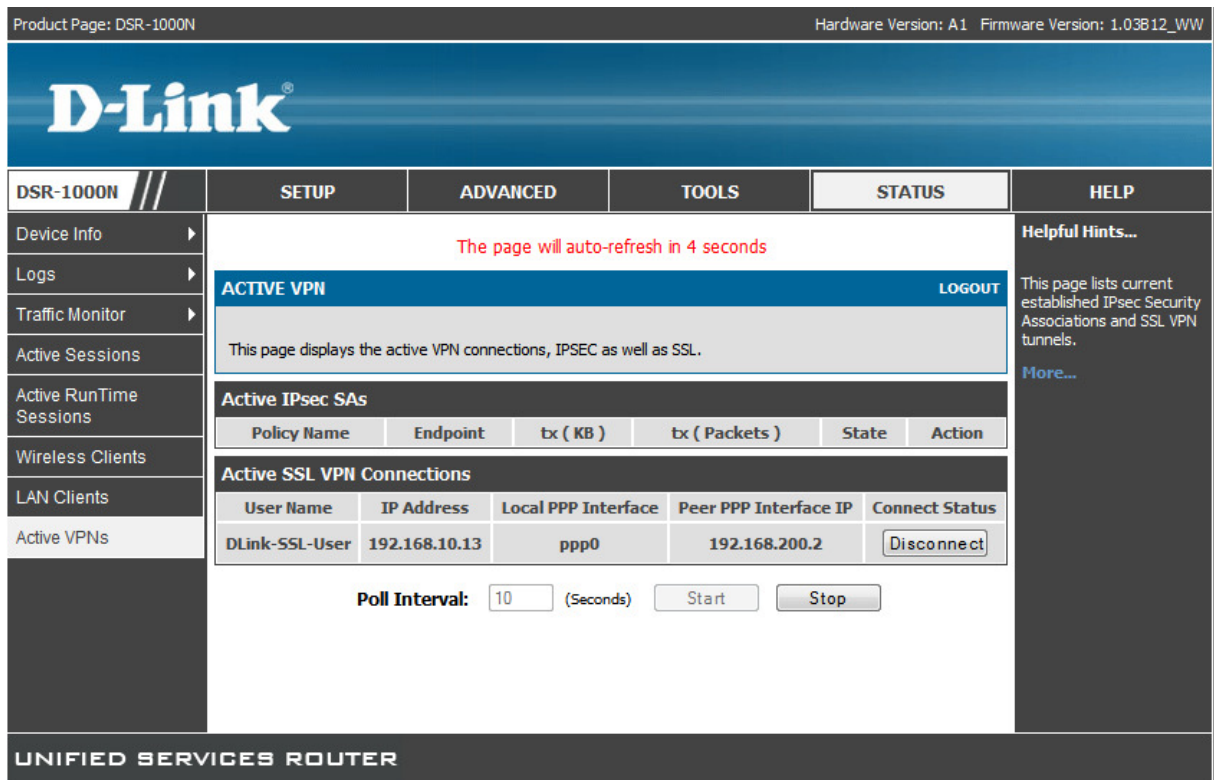
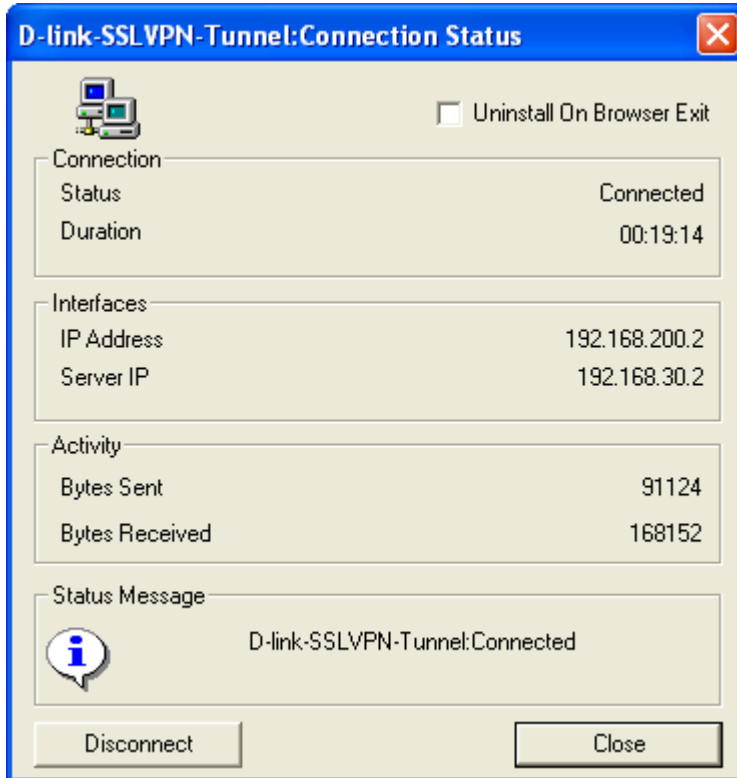
Installieren Sie bitte dieses ActiveX Steuerelement.



Bestätigen Sie bitte die Installation des SSLVPN Tunneltreiber.



Durch Doppelklick auf das Symbol können Sie sich die Verbindungsstatistik ansehen.



Auf dem DSR-1000N können Sie anhand dieser Übersichtsseite erkennen welche Benutzer derzeit mittels eines VPN verbunden sind.

```

C:\WINDOWS\system32\cmd.exe
Ethernetadapter LAN-Verbindung:

    Verbindungsspezifisches DNS-Suffix: DLink
    Beschreibung. . . . . : Realtek RTL8169/8110 Family Gigabit Ethernet NIC
    Physikalische Adresse . . . . . : 00-C0-9F-8E-93-8A
    DHCP aktiviert. . . . . : Ja
    Autokonfiguration aktiviert . . . . . : Ja
    IP-Adresse. . . . . : 192.168.10.13
    Subnetzmaske. . . . . : 255.255.255.0
    Standardgateway . . . . . : 192.168.10.1
    DHCP-Server . . . . . : 192.168.10.1
    DNS-Server. . . . . : 192.168.10.1
                        194.25.2.129
    Lease erhalten. . . . . : Mittwoch, 29. Dezember 2010 14:46:24
    Lease läuft ab. . . . . : Samstag, 1. Januar 2011 02:46:24

PPP-Adapter VirtualPassage:

    Verbindungsspezifisches DNS-Suffix:
    Beschreibung. . . . . : WAN (PPP/SLIP) Interface
    Physikalische Adresse . . . . . : 00-53-45-00-00-00
    DHCP aktiviert. . . . . : Nein
    IP-Adresse. . . . . : 192.168.200.2
    Subnetzmaske. . . . . : 255.255.255.255
    Standardgateway . . . . . : 192.168.200.2
  
```

Mittels „Windows Taste“ -> „Start“ -> „Ausführen“ -> „cmd“ -> „ipconfig -all“ können Sie sich die IP Adressen anschauen.

Die „PPP-Adapter VirtualPassage“ zeigt die durch das SSLVPN vergebene IP Adresse an.

```

C:\WINDOWS\system32\cmd.exe
C:\Dokumente und Einstellungen\Administrator>
C:\Dokumente und Einstellungen\Administrator>tracert heise.de

Routenverfolgung zu heise.de [193.99.144.80] über maximal 30 Abschnitte:

 1    2 ms    2 ms    2 ms    192.168.200.1
 2    3 ms    2 ms    2 ms    192.168.30.1
 3   55 ms   55 ms   55 ms   217.0.116.244
 4   58 ms   56 ms   56 ms   217.0.80.2
 5   63 ms   58 ms   144 ms  f-ed4-i.F.DE.NET.DTAG.DE [62.154.14.226]
 6  126 ms   54 ms   55 ms   217.243.218.38
 7   55 ms   55 ms   55 ms   heise2.f.de.plusline.net [82.98.98.106]
 8   55 ms   55 ms   55 ms   redirector.heise.de [193.99.144.80]

Ablaufverfolgung beendet.
C:\Dokumente und Einstellungen\Administrator>
  
```

Mittels „Windows Taste“ -> „Start“ -> „Ausführen“ -> „cmd“ -> „tracert heise.de“ können Sie sich Testweise das Routing des Client anschauen.

Anhand dieses Screenshot erkennen Sie, dass der gesamte Datenverkehr jetzt über den SSLVPN Tunnel läuft.

Beachten Sie bitte, daß dieser Test von einem Rechner ausgeführt werden sollte, der nicht innerhalb des lokalen LANs verbunden ist, sondern von extern über die WAN Schnittstelle des DSR-1000N zugreift.

Sollte der Service von DynDNS.org (oder alternativer Anbieter) genutzt werden, so ist auch ein Zugriff über den Namen möglich.

Befolgen Sie für die Einrichtung des DynDNS-Service auf dem DSR-1000N bitte die Konfigurationsanleitung im Handbuch (Kapitel 9.7).