

Intel[®] NetStructure[™] SS7 Protocols Host Protocol Licensing User Guide

Document Reference: U32SSS

Revision History

ISSUE	DATE	CHANGES
1	08-Aug-03	

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The product may contain design defects or errors known as errata, which may cause the product to deviate from published specifications.

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1 Introduction

Intel® NetStructure™ SS7 Products are a range of boards, and systems for the realisation of SS7 signalling nodes. Part of the range is a set of protocol software for use in conjunction with the SS7 boards and systems but run on the user's own target computer under either Windows*, Linux* or Solaris* operating systems.

Each computer that runs the SS7 Host Protocol Software must have a valid run-time licence in place prior to using the software.

This document details the process for obtaining a **Licence Certificate**, nominating the machine on which you wish to run the software (the **Target Machine**), activating the licence and installing the **Licence File** on your target machine.

The latest versions of all SS7 Host Protocol Software are distributed on a single CD-ROM which accompanies each SS7 Board and each SS7 Signalling Interface Unit. The binaries are all protected so that they will only run once a valid **Licence File** has been installed on the **Target Machine**. The licence file is specific to a single target machine and will only allow the Host Protocol Software to run on the intended machine.

2 How to license your Host Protocol Software

2.1 Place your Order

First decide which protocols you wish to run on your **Target Computer**.

Note that protocol software can also be run on the SS7 boards and SS7 Signalling Interface Units in which case it is not necessary to run the Host Protocol Software, for small systems this approach will usually cost less so check before committing to order Host Protocol Software.

The item market names for the SS7 Host Protocol Software are as follows:

```
SS7SBHSTMTP3
SS7SBHSTISUP
SS7SBHSTTUP
SS7SBHSTSCCPCL
SS7SBHSTSCPCO
SS7SBHSTTCAP
SS7SBHSTMAP
SS7SBHSTIS41
SS7SBHSTINAP
SS7SBHSTM3UA
```

These items should be ordered through your normal sales channel.

Host Protocol Software is available to run on Windows*, Linux* and Solaris* operating systems. It is **not** necessary to specify the operating system at the time of placing the order.

When you place your order you do **not** need to know any details of the machine on which the software will run.

Your order will ship through the normal supply channels, you will receive a **Licence Certificate**. This contains the full licence terms for using SS7 Host Protocol Software and a unique **Licence ID** that you will need to use in order to activate the licence.

2.2 Determine the Host ID

When you receive your Licence Certificate, you should first read the full terms of the software licence. If you are not prepared to accept the terms of the agreement then you must contact your sales channel for a refund and you must not activate the software licence.

If you are in agreement with the software licence terms, the next stage is to identify the computer on which you wish to run the SS7 Host Protocol Software.

It is necessary to obtain a **Host ID** for the target computer. This is obtained by running the protocol software binary on the target machine using the `-v` command line option. In addition to version and usage information a 'Licensing **Host Id**' is returned. For example, the ISUP Host Protocol Software produces output similar to that shown below:

```
SS7 ISUP V5.00
Copyright (C) 1993-2003 Intel Corporation. All rights reserved.
This product requires a valid license file.
The Licensing Host ID for this machine is: 00e0c6a134ee.
```

Make a note of the **Host ID**, you will need to use it to activate the software licence.

2.3 Activate the License

Once you have the **Licence ID** and the **Host ID** you are ready to 'Activate' the licence for your Host Protocol Software.

Licence Activation is the process of submitting details of your specific **Target Machine** (ie. the **Host ID**) and your choice of operating system so that a **Licence File** can be generated and sent to you for installation on the **Target Machine**.

The process is web based and the **Licence File** will be sent to you by email.

Use the following link: <http://membersresource.intel.com/ss7/license/license.asp> (or an alternative ULR if listed on your **Licence Certificate**).

You will be asked to provide the following basic information about yourself:

Name
Company
Country
Email address (this will be used to send your Licence File)

You will be asked for the following information about your Target Computer:

Operating System
Host ID
User Machine Identification (any string you wish to use to refer to your machine)

You must then list the **Licence ID** (taken from the **Licence Certificate**) for each protocol that you wish to licence on that **Target Machine**.

Once all this information has been entered you should submit the form. You will receive confirmation that your request has been submitted and within 2 working days you will receive your **Licence File** by email.

Note: You must submit a separate form for each Target Computer.

2.4 Install Licence File

The **License File** is a simple text file and it will be delivered by e-mail. The contents of the file will be similar to the following:

```
FEATURE ISUP_WIN INTEL 1.000 permanent uncounted \  
HOSTID=00d0b8a134ee SIGN=1E48C2563fa2
```

```
FEATURE MTP3_WIN INTEL 1.000 permanent uncounted \  
HOSTID=00d0b8a134ee SIGN=1E48C2563fa2
```

The license file should be copied to an appropriate directory on the Target Machine's hard disk. The choice of directory and file name is arbitrary, however it the license file must retain the extension '.lic'.

The Host Protocol Software should then run in test mode to ensure that the license file is being read correctly. This is done by setting the `-Lt` option on the command line. For example, under the Microsoft* Windows* operating system, if the license files were stored in a directory `c:\license`, the command line for a test run would be as follows:

```
isp_nt -Lt -Lpc:\license
```

In response to this command line a response similar to the one shown below would be returned:

```
Searching path: 'c:\license' for a valid license file token  
'ISUP_WIN'.  
License file is valid.
```

Check that the “Licence file is valid” output appears. If it does not the licence file is either not correctly installed or is for a different machine.

2.5 Run Host Protocol Software

Assuming the Licence file is valid, you are now ready to run and use the Host Protocol Software.

Remember that you need to specify the path to the licence file using the `-Lp` command line argument.

Typically the Host Protocol Software is started by `gctload` as a result of a `FORK_PROCESS` command in the `system.txt` file. For example,

```
...  
FORK_PROCESS isp_nt.exe -Lpc:\license  
...
```

3 Problem Solving

If you experience problems check the following:

1. Make sure that the HOSTID entry in your **Licence File** is the same as returned by running the Host Protocol Software using the `-v` command line option. If not the Licence File is for a different machine.
2. Make sure the licence file has a `.lic` extension.
3. Make sure you are correctly specifying the path to the **Licence File** using the `-Lp` command line option.
4. If the path to the **Licence File** contains spaces, make sure that the parameter is specified using quotes. For example:

```
...  
FORK_PROCESS isp_nt.exe "-Lpc:\license directory"  
...
```

5. Use the `-Lt` command line option to test whether a valid licence is located.

If all this fails contact your normal support channel for assistance.