

# Kusari Institution Licence User Guide Release 2.2 (Windows)

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## 1 Introduction

This document describes the use of the Kusari Licence Management System for `INSTITUTION` licences.

## 2 Product Codes and Licence Keys

Each product is controlled by based on its Product Code. This is an 8 or 9 character identifier, such as `ASW3210NA`.

To use a product Kusari must be able to find the Licence Key for that product. This key is usually stored in a file; in this case the key consists of a line which begins with the product code followed by the word `INSTITUTION` and some further data which validate the key.

## 3 Where Kusari looks for licence information

Kusari looks for licence information based on the `NAG_KUSARI_FILE` environment variable. This variable should contain a file name (path), a licence server specification, or a comma-separated list of file names and licence servers.

For `INSTITUTION` licences, the licence key should be stored in the registry or in a file; if in a file, the file name should appear in the `NAG_KUSARI_FILE` environment variable. If other products controlled by Kusari are being used, this variable may already exist. You can place the `INSTITUTION` key into the same file as an existing licence, or you place it in a new file and add the new file name to the list in `NAG_KUSARI_FILE`.

The `INSTITUTION` licence cannot be handled by a licence server, it can only be stored in a file or in the registry.

A file name can contain any printing character except comma (,), semi-colon (;) or at-sign (@). A colon (:) is permitted only following a single drive letter at the beginning of the filename. For example, `c:\somedir\somefile.something`.

A licence server specification consists of a server name (or IP number) followed by a colon, and optionally by a port number. For example, `some_machine.some_company.com:.`

When a product requests a licence, Kusari will visit each file, or ask each server, in turn, until it finds one with a potential licence. It will then attempt to check out a licence from that source; if this fails the failure will be reported and no further sources will be checked.

If the environment variable `NAG_KUSARI_FILE` is not set, Kusari will look for the files `nag.key`, `nag.licence` and `nagware.licence` in the current working directory (in that order). Depending on the software product it might also look for these files in the product's installation directory.

The environment variable may be set as follows:

1. Open System in the Control Panel (this may be under the performance and maintenance category).
2. On the Advanced tab, click Environment Variables, click New, insert `NAG_KUSARI_FILE` as the variable name and the name of the licence file, e.g. `c:\somedirectory\somefilename.something`, as the value.

## 4 Single machine licences

A single machine licence is provided in a licence file; this may be stored in the registry using `klreg` (see later section) or accessed directly by the software as determined by the `NAG_KUSARI_FILE` environment variable (see above).

A licence file may contain blank lines, comment lines (beginning with a '#' or '!' character, and licence key lines. Here is a sample licence file:

`! Licence file for Fred Nurke's Machine.`

`! A full licence for the NAGWare f95 compiler, Release 4.1  
NPW3241NA FULL "qfrdwhyMoQFkfpm5e6ESprJmtE"`

`! A trial licence for the NAGWare f95 compiler, Release 5.0  
NPW3250NA TRIAL 2004/10/05 "EMnxidA3oeoj0F1Yvi5ibxPjB7"`

`! An INSTITUTION licence for the N-SEA product.  
ASW3210NA INSTITUTION Nurke001:3853146 "9wny+nBSh9Cpekje4dZDoobo5K"`

`! That's all folks.`

Depending on the specific hardware features of a machine, a licence key may contain multiple key specifications, e.g.

`NPW3242NA FULL "xhhhTkzEiUPgdIpwIbCHgrBjjv" "EMnxidA3oeoj0F1Yvi5ibxPjB7"`

The purpose of the additional key(s) is to ensure that the licence software functions correctly even for machines with unusual hardware, and has no significance for the user.

## 4.1 Trial (Demo) Licences

A trial licence provides limited access to the specified software for an evaluation period. It is indicated by the "TRIAL" keyword, and contains an expiry date and a licence key.

When the evaluation is finished, it is recommended that the trial licence key lines be deleted from the licence file.

## 4.2 Other licence types

Other types of Kusari licences are described in `k-using-win.pdf`.

# 5 Troubleshooting

If the application reports "Error: Licence file not found", check

1. The environment variable `NAG_KUSARI_FILE` is set correctly.
2. The environment variable contains the full pathname of the licence file.
3. The file is readable.