# General

The program runs in DEMO mode until licensed. Licensing is done by loading a signed XML file containing the machine ID. The machine ID is generated by the machine itself, and the license file is generated by an online server. The file is signed with a private key and is checked by the machine using the distributed public key.

# Scenarios

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| --- | --- | --- | --- |
| **SCENARIO** | **Difficulty** | **Impact Severity** | **COUNTER MEASURE** |
| Tampering with File | 0 | 1 | The signing should detect any alteration of the file |
| Patching Program | 10 | 10 | License checking occurs in many places  Can program byte check itself e.g. MD5 |
| Using License from another machine | 0 | 1 | Machine ID should prevent this |
| Forged signature | 0 | 1 | Public and private key will not match |
| Emulate payment received page | 5 | 1 | Requires private key for signing |
| Key crack (obtain public key) | 10 | 10 | Multiple public/private key pairs |

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