

# Exhibit 18



# **Hardware Stamping™ Technology Overview White Paper**

Version 1.0

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## System Architecture

The following diagram outlines Beeble's general architecture and main components. In the diagram, BXL™ and Hardware Stamping™ are proprietary processes that encapsulate Beeble's technological innovations. This white paper focuses on Hardware Stamping™, therefore BXL will not be discussed.

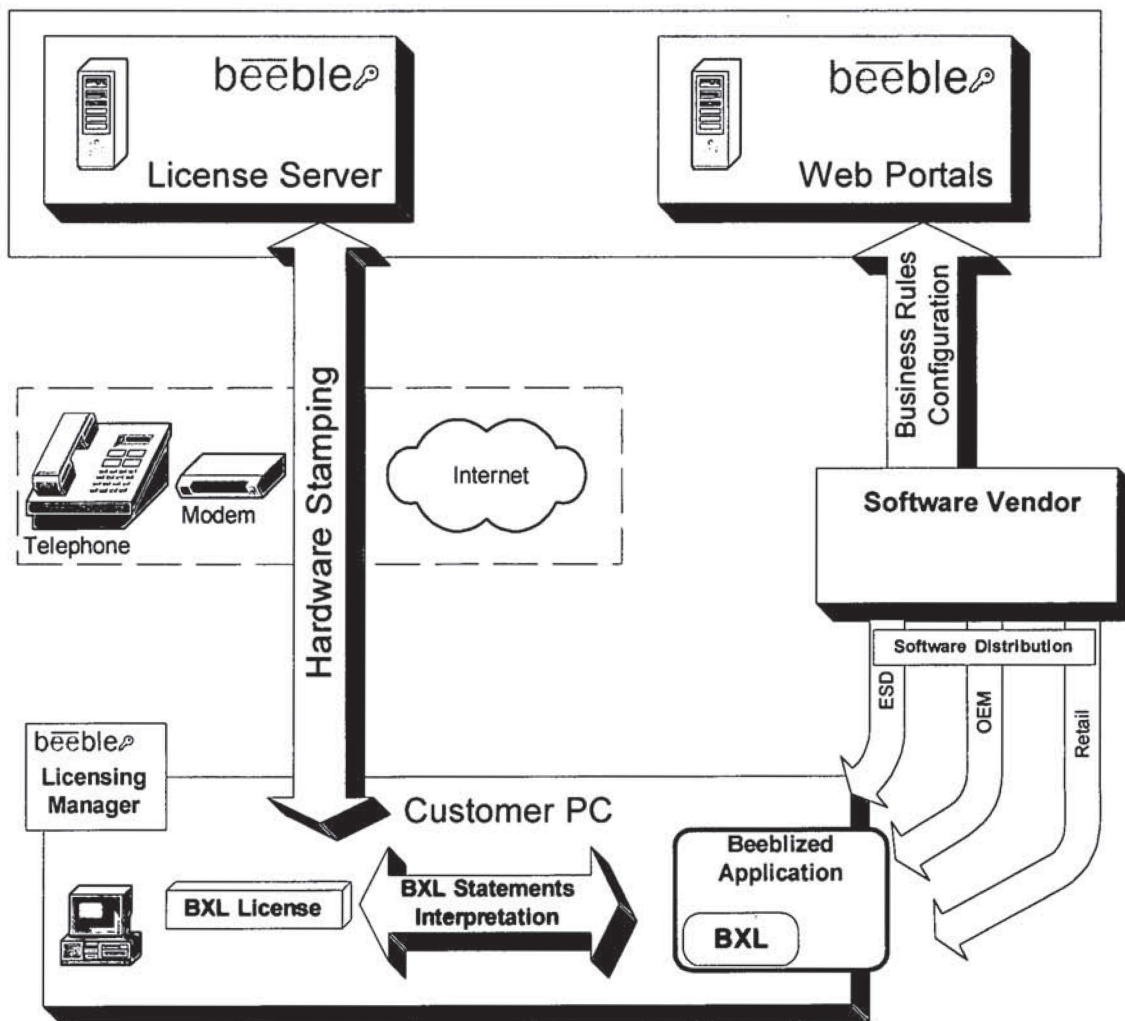


Figure 1: Beeble System Architecture



## **Hardware Stamping™**

Hardware Stamping is a method of binding a software product with a specific computer. The act of stamping is achieved by writing BXL licenses to non-volatile memory chips (EEPROM) present in PCs. More specifically, Beeble writes BXL licenses to the PC's BIOS EEPROM. EEPROMs are electronic chips that can hold data with no dependency on electric current. EEPROMs do not have mechanical parts in them and are considered an extremely reliable method of storage. **Writing to EEPROMs can be accomplished through software; therefore Beeble does not require any additional hardware to be added to the PC.**

BIOS EEPROM provide a stable, predicted environment for holding BXL licenses. Unlike disk drives, access to the BIOS is limited and not supported in operating systems. **In order for a user to access the BIOS EEPROM proprietary software would need to be developed, since this type of software is not commercially available.**

Beeble accesses its BXL licenses from the BIOS EEPROM through direct memory read and write operations, therefore it is untraceable. Other software licensing systems, which rely on standard OS IO support to access licensing information, can be easily traced by means the OS provides.

Access to the BIOS EEPROM (where BXL licenses are stored) is not trivial, requires thought and effort: therefore it is possible to assume that any modifications made to BXL licenses that are not performed by Beeble are of malicious in nature. Detecting differences between Beeble's records of installed licenses and actual licenses present on the PC can identify illegal tampering with Beeble's licenses installed and prove fraud. Beeble's ability to detect fraud is a key component in deterring potential hackers from tampering with the Beeble system.

Hardware stamping is patent pending in the US.

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