23. The process of claim 16, wherein said software component list includes diagnostic software.

24. The process of claim 16, wherein said software component list includes set-up routines which are dependent on said hardware and software configuration.

25. The process of claim 16, wherein said inference procedure translates using a set of rules stored in a database.

26. The process of claim 16, wherein said hardware configuration and said software component list are stored in a database.

27. The process of claim 16, wherein hardware and software configurations not provided by a manufacturer which are installed on said assembled computer system are stored in a database.

28. The process of claim 16, wherein said inference procedure translates said list by associating a language selection with software selections.

29. The process of claim 16, wherein said inference procedure translates said list by associating a hardware selection with software selections.

30. The process of claim 16, wherein said inference procedure translates said list by associating a software selection with software selections.

31. A system for manufacturing computer systems with pre-installed software, comprising:

(a.) a stored hardware and software configuration list;

(b.) a computer system assembled according to said list;

(c.) a program which translates said list using an automatic inference procedure into a list of software components to be downloaded onto said computer system, wherein said program translates said list using a set of rules stored separately from a software-loading-system; and

(d.) said software-loading-system downloads said software components according to said software component list, to create a predetermined software configuration on said computer system.

32. The system of claim 31, further comprising:

(a.) unique identification numbers for each hardware component; and

(b.) a unique identification number for the operating system selected.

33. The system of claim 31, wherein said hardware configuration list is created by scanning hardware part numbers.

34. The system of claim 31, wherein said downloaded software components create a predetermined software configuration and also a self-test and software set-up environment on said system which is customized for the particular software configuration.

35. The system of claim 31, wherein tags are used by said inference procedure to associate said hardware and software configuration with a set of rules.

36. The system of claim 31, wherein said software component list is dependent on said hardware configuration.

37. The system of claim 31, wherein said software component list is dependent on a language preference selection.

38. The system of claim 31, wherein said software component list is dependent on an operating system preference selection.

39. The system of claim 31, wherein said software component list includes diagnostic software.

40. The system of claim 31, wherein said software component list includes set-up routines which are dependent on said hardware and software configuration.

41. The system of claim 31, further comprising a database to store set of rules used by said inference procedure to translate said list.

42. The system of claim 31, further comprising a database to store said hardware configuration and said software component list.

43. The system of claim 31, further comprising a database to store hardware and software configurations not provided by a manufacturer which are installed on said assembled computer system.

44. The system of claim 31, wherein said inference procedure translates said list by associating a language selection with software selections.

45. The system of claim 31, wherein said inference procedure translates said list by associating a hardware selection with software selections.

46. The system of claim 31, wherein said inference procedure translates said list by associating a software selection with software selections.

47. A database structure for managing a software selection rules base in a computer manufacturing environment, comprising:

a first data association including a key uniquely identifying software or hardware part information contained in said database;

a second data association including a key uniquely identifying model information contained in said database;

a third data association including a key uniquely identifying software configuration rules contained in said database;

a fourth data association including a key associating said part information to its appropriate rule;

wherein a many-to-one relationship exist between said first and second data associations;

wherein a many-to-one relationship exist between said fourth and first data associations; and

wherein a many-to-many relationship exist between said third and fourth associations;

wherein said first, second, third, and fourth associations define the rules base to be used in the selection of software, software set-up routines, and software and hardware diagnostics to be installed in computers in a manufacturing environment.

48. The database structure of claim 47, wherein each said data association is a data table in a relational database model.

* * * * *