

1. The function at 0x401000 is the check Internet connection method, 0x401040 is the parse HTML method, 0x4012B5 is printf, and 0x401150 is the switch statement.
2. A for loop has been added to the main method.
3. The function at 0x401040 now takes a parameter and calls sprintf with the format string Internet Explorer 7.50/pma%d. It builds a User-Agent for use during HTTP communication using the argument passed in.
4. This program will run for 1440 minutes (24 hours).
5. Yes, a new User-Agent is used. It takes the form Internet Explorer 7.50/pma%d, where %d is the number of minutes the program has been running.
6. First, the program checks for an active Internet connection. If none is found, the program terminates. Otherwise, the program will use a unique User-Agent to attempt to download a web page containing a counter that tracks the number of minutes the program has been running. The web page downloaded contains an embedded HTML comment starting with <!--. The next character is parsed from this comment and used in a switch statement to determine the action to take on the local system. These are hard-coded actions, including deleting a file, creating a directory, setting a registry run key, copying a file, and sleeping for 100 seconds. This program will run for 24 hours before terminating.