The Prime Machine:
Software Version History

The Prime Machine is a user-friendly corpus tool for English language teaching and self-tutoring based on the Lexical Priming theory of language; the software was developed by Stephen Jeaco.
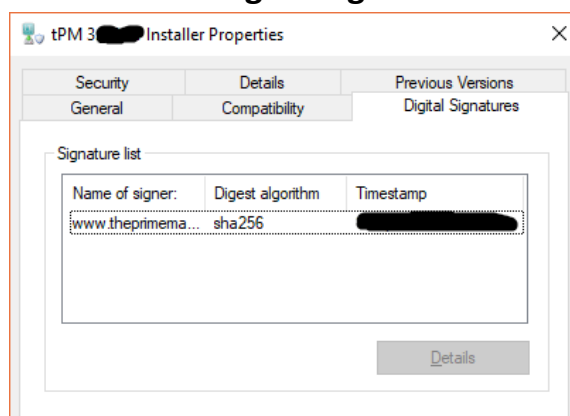
For more details see www.theprimemachine.net

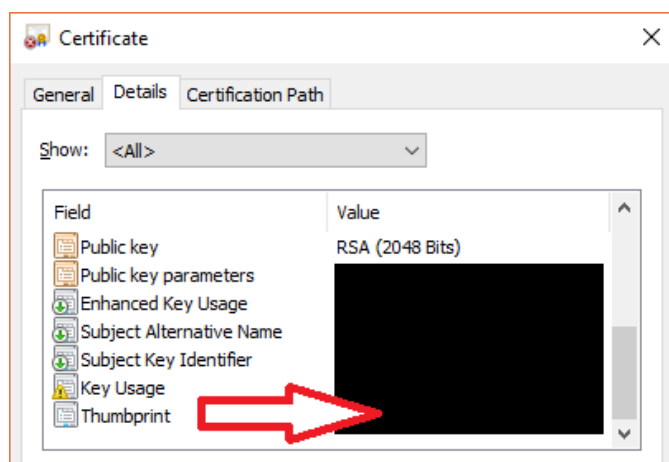| Latest Version	3.0.16.x
ZIP Folder	.EXE Modified 01 November 2018, 19:14:17
Windows Installer Package	01 November 2018, 19:17:23
Thumbprint	`f84bd5f57277ada537da8e9140db127029374eff`
Current Server Version	`tPM Server 3.08`†

† The Server Version will be displayed when you connect.

Prior to Version 3, the software was only available to staff and students at Xi'an Jiaotong-Liverpool University, Suzhou, China.

To view the Digital Signature Thumbprint

1. Right-click on the file and select **Properties**.

2. Choose the **Digital Signatures** tab.

3. Select www.theprimemachine.com from the list of signers.

4. Click **View Certificate**.

5. Click the **Details** tab.

6. Scroll down to view the Thumbprint value.

7. The Thumbprint value should match the value on this document.

Previous Release	3.0.12.x
ZIP Folder	.EXE Modified 04 June 2018, 09:28:16
Windows Installer Package	04 June 2018, 09:32:33
Thumbprint	`f84bd5f57277ada537da8e9140db127029374eff`
Previous Server Version	`tPM Server 3.06`[†]

† The Server Version will be displayed when you connect.

Summary of developments and bug fixes:

Version	Details
3.0.16.x 01/11/2018	• Fixed: Minor bug fixes.
3.0.15.x 30/10/2018	• Enhanced: Columns in main results tables can now be resized. • Fixed: Width of columns in tables on Frequencies Tab. • Fixed: Problem with line numbers when using up/down arrow keys. • Fixed: Refreshing of data on results tabs. From 30/10/2018, server side fixed: Issue with DIY Text Tools Average MI/LL Score function when accessed from tPM Home Network.
3.0.14.x 05/10/2018	• Fixed: Change of port for offsite access (to overcome some issues when connecting from public libraries, etc.). • New: DIY Text Tools now allows the user to get frequencies for matching clusters from the online corpus. • New: Normalized frequencies can be displayed per thousand or per million. • New: User prompt for file encoding if the encoding for the first DIY text being imported does not seem to be correct. • Fixed: Issue with long text names in plot displays. From 26/09/2018, Key Words for DIY Text Tools now include items not found in the reference corpus (previously these only appeared for Key Key Words).
3.0.13.x 12/09/2018	Improvements to user interface and processing speed: • Greatly Improved: Speed of importing DIY texts. • Greatly Improved: Speed of DIY corpus concordancing. • Greatly Improved: Speed of calculating DIY corpus clusters. • New: DIY Text Statistics added to text file list table. • New: Buttons for importing all TXT files from a folder. • New: Option to use folder name as DIY Text Category. • New: Option to convert simple entities to characters. • New: Filtering of DIY Wordlist Tools to remove those containing numbers. • New: Option to use random samples of DIY concordance lines when there are more than 500 results.

	• New: Button to copy current wordlist to use in a DIY corpus search. • Fixed: Initial sorting of concordance lines for DIY searches. • Fixed: Issue with Key Associate categories in V3.0.x. • Fixed: Issue with average MI for DIY corpus. • New: Average LL Collocation score added to DIY Corpus measure. • New: Get spelling support for correctly spelled words using new button on right-click menu (includes frequencies in other corpora). • New: Research Tool table results now displayed as multiple tabs on the Search History Tab. • New: Plots for Multisearch, WordList and DIY Multisearch tabs. • New: Wildcard * searches on Multisearch and DIY Multisearch as well as Search Inside (Filter Menu). • New: Expand a DIY Multiserach term search using word families from an online corpus • New: Arrow indicators for Key Word and DIY Wordlist Statistics tables. • Improved: Search suggestions for main search page and string breakdown. • Various other improvements to the speed of the user interface.
3.0.12.x 04/06/2018	Fixes for connections "distant" or with greater network latency, and other fixes: • Fixed: The "quicker notification" function introduced in 3.0.11 unfortunately meant that users without high speed connections through to the server in Suzhou were unable to connect[1]; this has therefore been made less sensitive, but will mean the App may take 20 seconds or so to timeout on the (hopefully rare) occasions when the server is inaccessible, or if the user selects "Try tPM Home Network" when not connected to the tPM Home Network. • Fixed: The DIY Corpus Tool feature allowing users to create lists of clusters containing a specific word now does display correct values for frequency and category counts. • Fixed: Issue with scrolling through texts in DIY Corpus after using the Average MI Score feature. • Enhanced: The DIY Corpus Tools now convert space-like characters to a normal space; this is particularly useful for texts from websites which may have included non-breaking space characters, etc.
3.0.11.x 14/05/2018	Minor bug fixes and enhancements: • New: Error message displayed if connection fails; • Enhanced: List of servers extended to include theprimemachine.net; • Enhanced: Quicker notification of connection issue (if attempt to connect fails); • Fixed: Issue with priming tendency icons when application window is covered by another window; • Minor bug fixes
3.0.10.x 10/04/2018	Minor bug fixes
3.0.1.x	**V3 Major new release:**

28/12/2017	This new version allows external (offsite) access for the first time, along with a host of new features:
	- Off-site access available - Offline mode (previously saved search results can be viewed offline) - Frequencies Tab added - Lines/Cards tab re-vamped; Lines + available for both sides - Cards redesigned (Lines/Cards Tab now more responsive) - Filtering re-vamped - Concordance line sorting updated (user now receives a fixed random sample; sorting works locally without needing to retrieve new results) - Range of LL Collocation patterns increased - Delta P Collocations added - Additional contextual environment patterns (on Graphs Tab): - Quotations - Part-of-Speech (based on pre-tagging by CLAWS) - Complexity (Projecting Sentence added) - Meanings (Wordlists updated; UCREL Semantic Tagger also used) - Repetition (now measures repetition in window one sentence before/after sentence containing the node) - Labels Tab: Neighbourhood labels added based on UCREL Semantic Tagging - Wordlists updated - DIY Text Tools - DIY Text Import - DIY Corpus Save/Load - DIY Wordlist Tools - Wordlist - MI Collocations - LL Collocations - Clusters - Key Associates - Wordlist Statistics - Keywords - Key Keywords - Concordance lines - Multiple Searches - Clusters - Compare with other DIY Corpus or with online corpus - LL Calculator - Corpus Text List - Improvements to Search Screen - Search History functional when offline
2.07 28/03/2017	Minor bug fixes

2.05 23/03/2016	Minor bug fixes
2.01 24/02/2016	**V2 Major new release (XJTLU only):** Version 2 included many enhancements including a range of research-related features: • Additional contextual environment patterns (on Graphs Tab): o Voice (near basic *to be* and near basic *to have* added) o Meaning (positive and negative words from wordlists in nearby context) • Research Tools added o Multiple Searches o Wordlists o Clusters o Key words based on priming features
1.0 16/05/2014	**V1 (XJTLU only)** This version is the version described in the doctoral thesis, and is the version used for the initial evaluation in May 2014. Jeaco, S. (2015). The Prime Machine: a user-friendly corpus tool for English language teaching and self-tutoring based on the Lexical Priming theory of language. Unpublished Ph.D. dissertation, University of Liverpool. Thesis available for immediate download from: • The University of Liverpool repository: https://livrepository.liverpool.ac.uk/2014579/ or • The British Library: http://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.658124

Last updated: 1 November 2018

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[1] Thanks to those who tried the first public release of tPM and helped me narrow down the cause of this problem.