Tencent Interactive Whiteboard

Product Introduction

Product Documentation

Contents

Product Introduction

Overview

Last updated：2023-05-26 14:14:45

Tencent Interactive Whiteboard provides a comprehensive digital whiteboard service that enhances interactivity between students and teachers in online classrooms. It offers rich, intuitive features that make class fun and more effective, including interactive graffiti, real-time synchronization, file sharing, media sharing, and file transcoding. It can also record and play back full teaching sessions with whiteboard presentations and audio/video in sync. High scalability and flexible use deliver an interactive teaching experience on par with that of an in-person class, significantly improving the quality of online education.

Feature overview

Tencent Interactive Whiteboard provides the following features:

Feature	Description
Interactive whiteboard	Provides globally connected whiteboard rooms that have ultra low latency and allow multi-person real-time interaction. You can upload files in multiple formats for display and use diverse whiteboard tools.
Static document transcoding	Converts documents in various formats (including PPT, PPTX, WORD, and PDF) to images.
Dynamic document transcoding	Converts PPT or PPTX documents to web pages, with the animation effects, audios, and videos in the original documents retained.
Recording and playback	Records all whiteboard operations, dynamic PowerPoint documents, and custom events in real time, and plays the recorded videos on different devices. You can fast forward, rewind, and adjust playback speed during the playback of recorded whiteboard room content anytime, anywhere.

Product features

Tencent Interactive Whiteboard provides various tools and features to meet your needs in different scenarios.

Basic features

Tool	Description
Brush	Draw with different colors and stroke thicknesses.
Eraser	Quickly clear brush strokes.
Select	Select one or multiple objects for editing.
Text	Insert text and set its font, font size, and color.
Basic shapes	Draw circles, ellipses, rectangles, triangles, diamonds, squares, cylinders, cones, and other basic shapes.
Custom shapes	Customize shapes such as experimental instruments and music notes during teaching.
Straight line	Insert straight lines.
Arrow	Insert arrows.
Laser	Use a laser.
Eraser	Erase part or all content.
Clear	Clear all diagram elements on the whiteboard in one click.
Hand tool	Drag to move a page.
Undo and redo	Quickly undo and redo edits.
Copy and paste	Copy and paste content.

Advanced features

Feature	Description
Document preloading	Allows you to preload transcoded documents to the local for faster loading of resources such as images.
File insertion	Allows you to upload the following files and share the file content on the whiteboard after file transcoding: Dynamic presentation files: PPTX, PPT Static presentation files: PPTX, PPT Word files: DOC, DOCX Spreadsheet files: XLS, XLSX Image files: JPG, JPEG, PNG, BMP

	Audio files: MP3 Video files: MP4 H5 files: HTML5 Other files: PDF, TXT
Strokes synchronization	Synchronizes brush strokes on the screens of different persons in real time.
Permission control APIs	Allows you to set the permissions on the following operations: Whiteboard: Scroll and zoom Diagram element: Create, edit, move, delete, clear, etc.
Adaptive whiteboard	The whiteboard automatically adapts to the size of its parent container.
Recording and playback	Records and plays back whiteboard operations
View mode	Allows you to set the follower mode to synchronize the anchor view to the audience.
Cursor tool	Displays the cursor position, status, and operator's name.
Zoom	Allows you to zoom in or out on the page, displays the current percentage, and allows you to return to the original size and position.
Whiteboard pagination	Allows you to add multiple whiteboard pages.
Page control	Displays the total number of pages and the current page, and allows you to go to the previous page, next page, first page, or last page.
Preview	Allows you to preview multiple pages, insert a blank page, and delete a page.
File center	Allows you to manage the files uploaded in whiteboard rooms.
Custom event	Allows you to customize the message notification feature for whiteboard rooms.
Custom global status	Allows you to maintain the status of online rooms, without worrying about state loss.
Whiteboard information	Allows you to query log information including whiteboard ID, whiteboard type, whiteboard page number, content width and height, and shared authentication information.
File information	Allows you to query file information including file ID, file type, file page number, content width and height, and shared authentication information.

Supported platforms

Tencent Interactive Whiteboard **supports a wide range of platforms**. The following lists how it is compatible with various platforms:

Platform	SDK and Compatibility	Demo	Demo Source Code
iOS	Supported; iPhone and iPad on iOS 8.0 or later	Supported	Supported
Android	Supported; Android 4.2 (API level 17) or later	Supported	Supported
Windows	Supported; Windows 7 or later	Supported	Supported
macOS	Supported; Macs on Mac OS X 10.10 or later	Supported	Supported
Web	Supported	Supported	Supported
Weixin Mini Program	Supported; Weixin 6.6.6 or later	Supported	Supported

Product strengths

Ultra low latency, high stability and reliability

Tencent Cloud's self-developed engine allows users to interact with the whiteboard at a latency as low as 100 ms and enjoy a smooth experience even under poor network conditions. While saving bandwidth resources, Tencent Interactive Whiteboard delivers an interactive teaching experience on par with that of an in-person class.
Users in different regions can enjoy a smooth user experience thanks to Tencent Cloud's global network nodes and QoS policies (such as nearby access and intelligent routing).
Global distributed cluster deployment provides double disaster recovery schemes to ensure high availability of services. The room capacity can be configured on demand, and there is no upper limit to concurrency.

Various features and cross-platform support

Provides diverse tools that allow multiple users to draw and annotate at the same time. Various features are available, including document sharing, document transcoding, and teaching video recording and playback.
Available on mainstream online classroom platforms such as Windows, macOS, web, iOS, Android, and Weixin Mini Program.

Easy to use and expand

Provides an SDK that supports all platforms and can be quickly integrated with just a few lines of code.

Recording with whiteboard image and audio/video in sync

Leverages the industry-leading recording solution to easily record full teaching sessions with whiteboard image and audio/video in sync. This avoids the issues (image and audio/video out of sync and high costs for mixing streams) caused by separate recording of whiteboard image and audio/video.

Multi-format document transcoding

Supports static and dynamic transcoding to convert PowerPoint, Word, and PDF files to images or HTML5 pages. Dynamic transcoding can retain animation effects, delivering complete information and better user experience.

Private deployment

Supports deployment in various modes (including private cloud and hybrid cloud) and the active-active architecture. Data is transferred through encrypted channels to guarantee data security and integrity.

Use cases

Online education

Tencent Interactive Whiteboard is widely used in class scenarios such as online STEAM education, vocational education, language training, enterprise training, and school lectures. It enhances interactivity between students and teachers in online classrooms. Teachers can present teaching resources, and annotate and highlight content in files while students follow along and interact in real time.

Remote meeting

Tencent Interactive Whiteboard is widely used in industry-specific scenarios such as remote meetings, digital government, and remote healthcare. It can display files in many formats online during remote meetings to make presentations more lively and communication more efficient. Cloud-based collaboration, annotation, review, and minutes taking enable users to exchange ideas and highlights directly for better communication.

Financial interview

Tencent Interactive Whiteboard is widely used by digital finance services for video-based contract signing, remote attestation, and signature confirmation, with businesses processed remotely to meet financial regulatory requirements. Signing parties can provide their signatures online, and signed documents are encrypted for storage.

In-game social networking

Tencent Interactive Whiteboard is widely used in gaming scenarios such as Draw Something and interactive graffiti. Many brush tools are available. Users can draw together for better interaction, and graffiti online to unleash their creativity. Highlight interactions can also be recorded.

Use Limits
Document Requirements

Last updated：2023-05-26 14:29:55

General requirements

1. Check whether the filename contains special characters. It is recommended that the name contain only letters, digits, and Chinese characters. Transcoding is likely to fail if the filename contains special characters.

2. Check whether the file path contains special characters. Transcoding is likely to fail if the file path contains special characters.

3. Ensure the document is editable. Transcoding will fail for read-only, encrypted, or other protected documents.

4. Use Microsoft Office 2013 or later to prepare a dynamic document. Dynamic documents made using earlier Microsoft Office versions (such as Microsoft office 2003 or Microsoft Office 2007) or other office software such as WPS and Keynote are not supported.

5. Use Microsoft Office 2013 or later to prepare a static document. You can also use one made from other office software such as WPS.

Requirements for dynamic documents

Note

Dynamic document: A PPT or PPTX document with animation effects, audios, videos, or other dynamic elements inserted.

Dynamic transcoding: A process that converts a dynamic PPT or PPTX document to web pages, with the animation effects, audios, and videos in the original document retained.

Dynamic document transcoding priority: A dynamic document transcoding task has a normal priority by default, and supports a dynamic document with up to 500 pages. If a dynamic document exceeds 500 pages, a low-priority transcoding task needs to be initiated.

Normal priority:

Dynamic document types: PPT, PPTX

Maximum document download time: 2 minutes

Maximum document pages: 500

Maximum size: 200 MB

Low priority:

Dynamic document types: PPT, PPTX

Maximum document download time: 10 minutes

Maximum document pages: 2,000

Maximum size: 200 MB

Caution

Low-priority transcoding refers to transcoding tasks initiated with the `Priority` parameter set to `low`. These transcoding tasks support larger files and more PPT pages, but take a longer time to complete and may be performed during off-peak hours (such as in the early morning). If you need to use large PPT files with many pages, choose the low-priority dynamic transcoding solution, but ensure that you initiate the transcoding task **at least 1 day** before you use the transcoded documents on the whiteboard.

1. It is recommended that the size of a single page (including all elements such as text, images, and audio and video files) in a PowerPoint file not exceed 300 KB. If a PowerPoint file or a page is too large, loading of the file may be slow or even fail.

1.1 Due to resource constraints, file transcoding tasks need to queue up, and the transcoding time also depends on the file size. Therefore, when there are many transcoding tasks or the file size is too large, queuing or transcoding time will increase, resulting in a longer time to complete transcoding.

1.2 For PowerPoint files that need to be shared, we recommend you transcode them in advance (for example, submit a transcoding task one day in advance), so that they can be directly loaded for use when needed. This avoids waiting for a long time during classes or meetings, providing better experience.

2. Use the default Chinese and English fonts of the operating system in PowerPoint files. Do not use the fonts installed by yourself, as non-default fonts may cause garbled characters or PowerPoint style errors. To learn about the supported fonts, see here.

3. Set transitions to "On Mouse Click" for dynamic PowerPoint files so that you can click to change slides. Otherwise, clicking on a dynamic PowerPoint file page will not change slides.

4. Do not embed Flash content into PowerPoint files as Flash playback is not supported.

5. Try not to insert audio or video files in PowerPoint files. If it is necessary to do so, observe the following requirements:

5.1 You can play, pause, or drag the progress bar only for embedded MP3 and MP4 files. Therefore, embed only MP3 or MP4 files in PowerPoint files. If you want to embed audio/video files in other formats, convert them to MP3 or MP4 first.

5.2 When inserting an MP4 video in a dynamic PowerPoint file, do not set it to automatically play and set its transitions to "On Mouse Click". Otherwise, the displayed content will be out of sync to different users.

5.3 Do not set audio and video files embedded in PowerPoint files to play automatically.

6. When inserting a GIF file in a PowerPoint file, observe the following requirements:

6.1 Set the GIF file to loop playback before inserting it; otherwise, the GIF file may not play properly after transcoding.

6.2 Do not add effects such as edge smoothing to the GIF file; otherwise, the GIF file may not play properly after transcoding.

6.3 Do not crop the GIF file; otherwise, its dimensions may be displayed abnormally after transcoding.

7. Do not insert external links in PowerPoint files, as they cannot be opened.

8. Do not preserve inks in PowerPoint files, as this may result in transcoding failure. You can open a PowerPoint file, and then go to **Home** > **Select** > **Selection Pane** to check whether there are inks.

9. Note the following when adding animation effects to a PowerPoint file:

9.1 Do not add unsupported animation effects (Bold Flash, Underline, Grow With Color, Bold Reveal, and Wipe). To learn which animation effects are supported, see here.

9.2 Try not to use more than 5 animation effects per slide in a PowerPoint file, as doing so may cause slow or failed loading of the file.

9.3 Try not to use more than one animation effect per trigger per slide in a PowerPoint file, as doing so may cause the displayed content to be out of sync to different users.

9.4 Try not to use cross-slide animation effects in a PowerPoint file, as doing so may cause the displayed content to be out of sync to different users..

9.5 Do not set animations or links that will cause transitions in a PowerPoint file, as doing so may cause the displayed content to be out of sync to different users.

9.6 Add animation effects to text only when the text is in non-editing mode.

9.7 Do not add 3D animations to elements.

9.8 Do not set a loop animation on the same element.

9.9 Do not add a mask on slide elements in PowerPoint files, as the mask may affect the display and click effects of the elements.

9.10 Do not click to execute the next animation before the current one is complete. Otherwise, the animation display effect may be inconsistent on different devices.

9.11 Show text, mathematical formulas, and other content in separate text boxes, with each animation corresponding to a text box. Otherwise, the animations may not play properly after transcoding.

10. To ensure the clarity of PowerPoint files, we recommend you:

10.1 Set the slide size to be twice the default width and height, that is, a width of 50 cm and a height of 28 cm for 16:9 aspect ratio, or a width of 50 cm and a height of 38 cm for 4:3 aspect ratio. Select **Design** > **Slide Size** > **Custom Slide Size** to customize the size.

10.2 Transcode a file using the high-definition API. Note that doing so will result in a larger output file, which may cause slow or failed loading of the file.

11. Not hide a slide; otherwise, it may not be displayed properly.

12. Try not to add a neon background to text in PPT/PPTX files.

Requirements for static documents

Note

Static document transcoding: A process that converts documents in various formats (including PPT, PPTX, WORD, PDF, JPG, JPEG, PNG, and BMP) to images, without retaining the dynamic elements (such as animations and audio/video).

Static document types: PPT, PPTX, WORD, PDF, JPG, JPEG, PNG, BMP

Maximum size: 200 MB

Maximum document pages: 5000

1. Use the default Chinese and English fonts of the operating system in static documents. Do not use the fonts installed by yourself, as non-default fonts may cause garbled characters or PowerPoint style errors. To learn about the supported fonts, see here.

2. Ensure that the width of all pages in a file is the same. Otherwise, some pages may not be displayed completely or jitter may occur.

Animations Supported by PowerPoint Files

Last updated：2023-05-26 14:16:41

We recommend that developers use the following animation effects in PowerPoint files. Using other animation effects may cause transcoding failure, abnormal animation effects after transcoding, or animation effects out-of-sync for different users.

Animation effects

Entrance effects
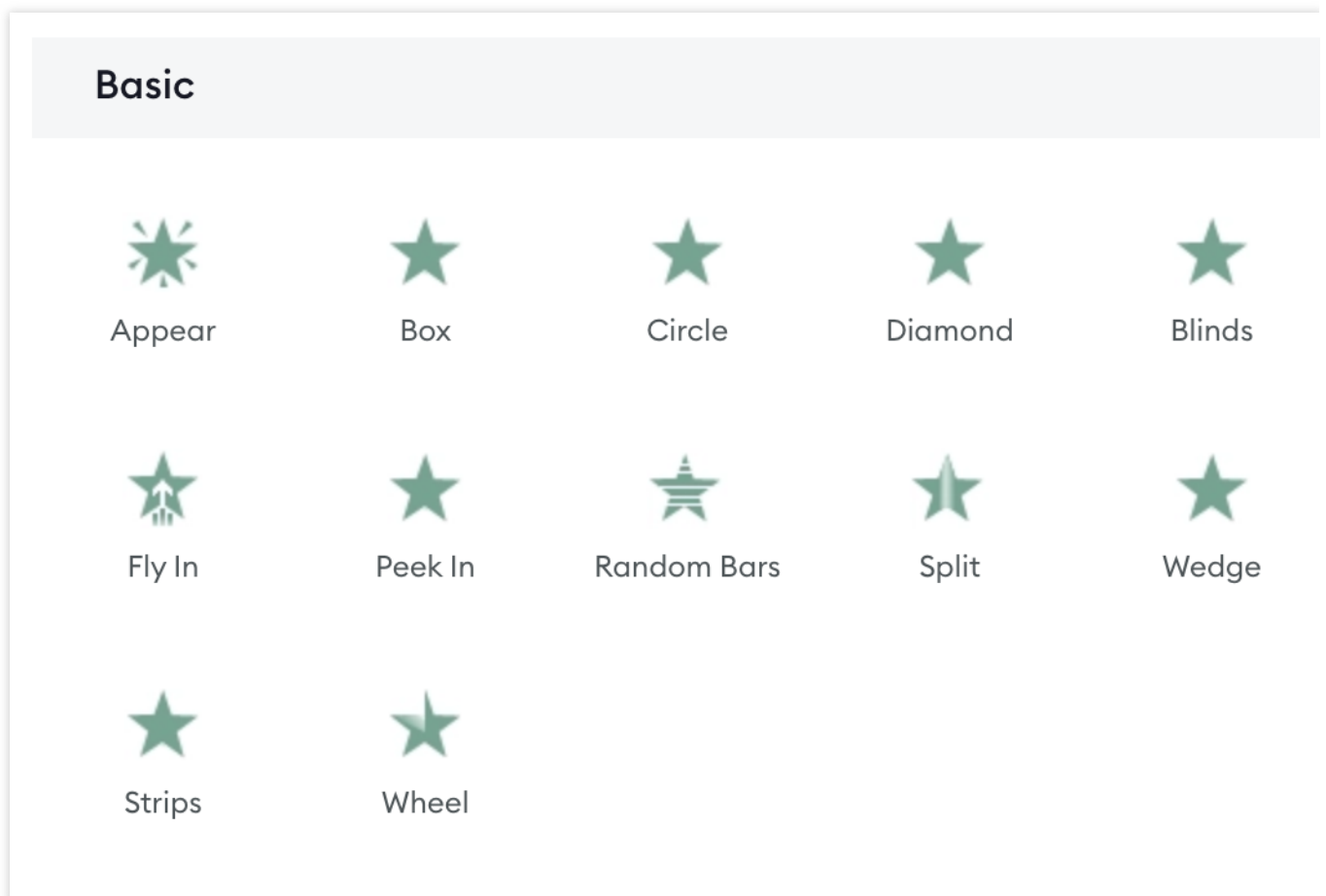
Subtle

Expand	Fade	Swivel	Zoom

Moderate

Moderate

Basic Zoom	Center Revolve	Grow & Turn	Spinner	Float Down

Compress	Stretch

Exciting

Basic Swivel	Bounce	Curve Up	Flip	Pinwheel

Credits	Drop	Float	Spiral In	

Emphasis effects

Basic

Fill Color	Font Color	Grow/Shrink	Transparency	Spin

Subtle

Bold Flash	Complementary Color	Complementary Color 2	Brush Color	Contrasting Co
Lighten	Object Color	Pulse	Underline	

Moderate

Color Pulse	Grow With Color	Shimmer	Teeter

Exciting

Blink	Bold Reveal	Wave

Exit effects

Basic

Blinds	Checkerboard	Diamond	Dissolve Out	Peek Out
Wheel	Box	Circle	Disappear	Fly Out
Wedge	Wipe			

Subtle

Contract	Fade	Swivel	Zoom

Moderate

Basic Zoom	Center Revolve	Float Down	Float Up	Shrink & Turn
Collapse	Stretchy			

Exciting

Basic Swivel	Bounce	Curve Down	Flip	Pinwheel
Credits	Drop	Float	Spiral Out	

Motion paths

Basic

4 Point Star	5 Point Star	Hexagon
6 Point Star	8 Point Star	Parallelogram
Circle	Crescent Moon	Right Triangle
Diamond	Equal Triangle	Teardrop
Football	Heart	

Lines & Curves

Arc Down	Arc Left	S Curve 1
Arc Right	Arc Up	S Curve 2
Bounce Left	Bounce Right	Sine Wave
Curvy Left	Curvy Right	Spiral Right
Decaying Wave	Diagonal Down Right	Stairs Down
Diagonal Up Right	Down	Turn Down Right
Funnel	Heartbeat	Turn Up Right
Right	Wave	

Special

|		
Bean	Curved X	Neutron
Curved Square	Figure 8 Four	Plus
Curvy Star	Inverted Square	Swoosh
Horizontal Figure 8	Inverted Triangle	Loop de Loop

Transition effects

Subtle
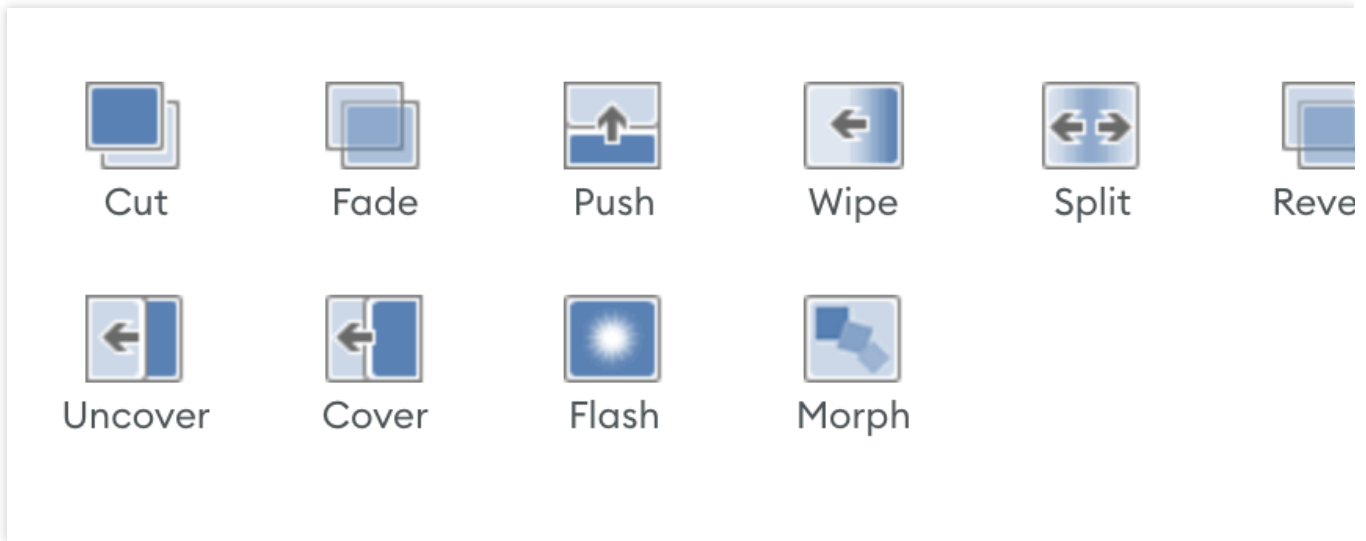
Exciting
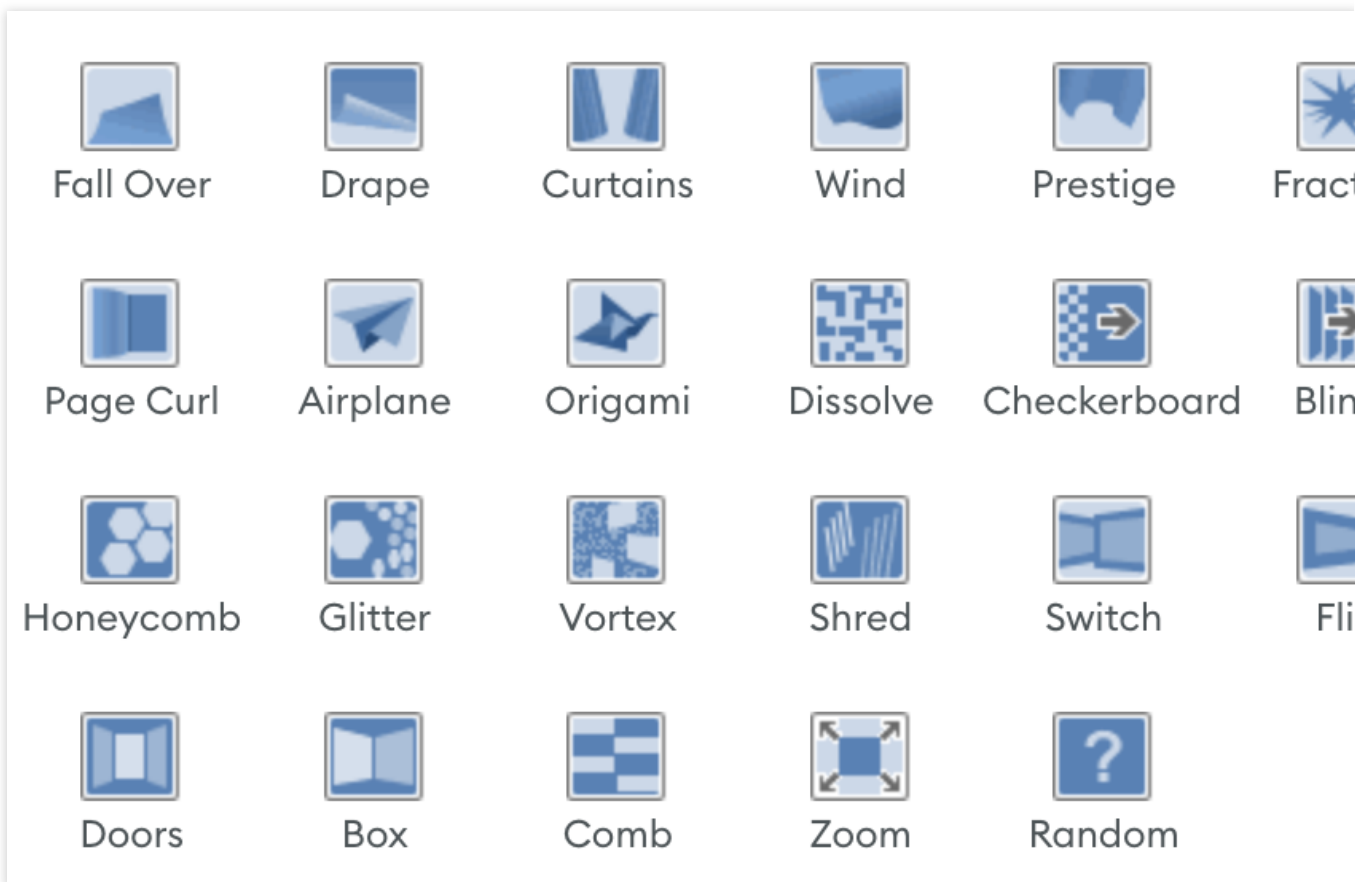
Dynamic content

Pan   Ferris Wheel   Conveyor   Rotate   Window

Fonts Supported by PowerPoint Files

Last updated：2023-11-02 15:34:30

We recommend that developers use the following fonts in PowerPoint files. Using other fonts may cause transcoding failure or format error after transcoding.
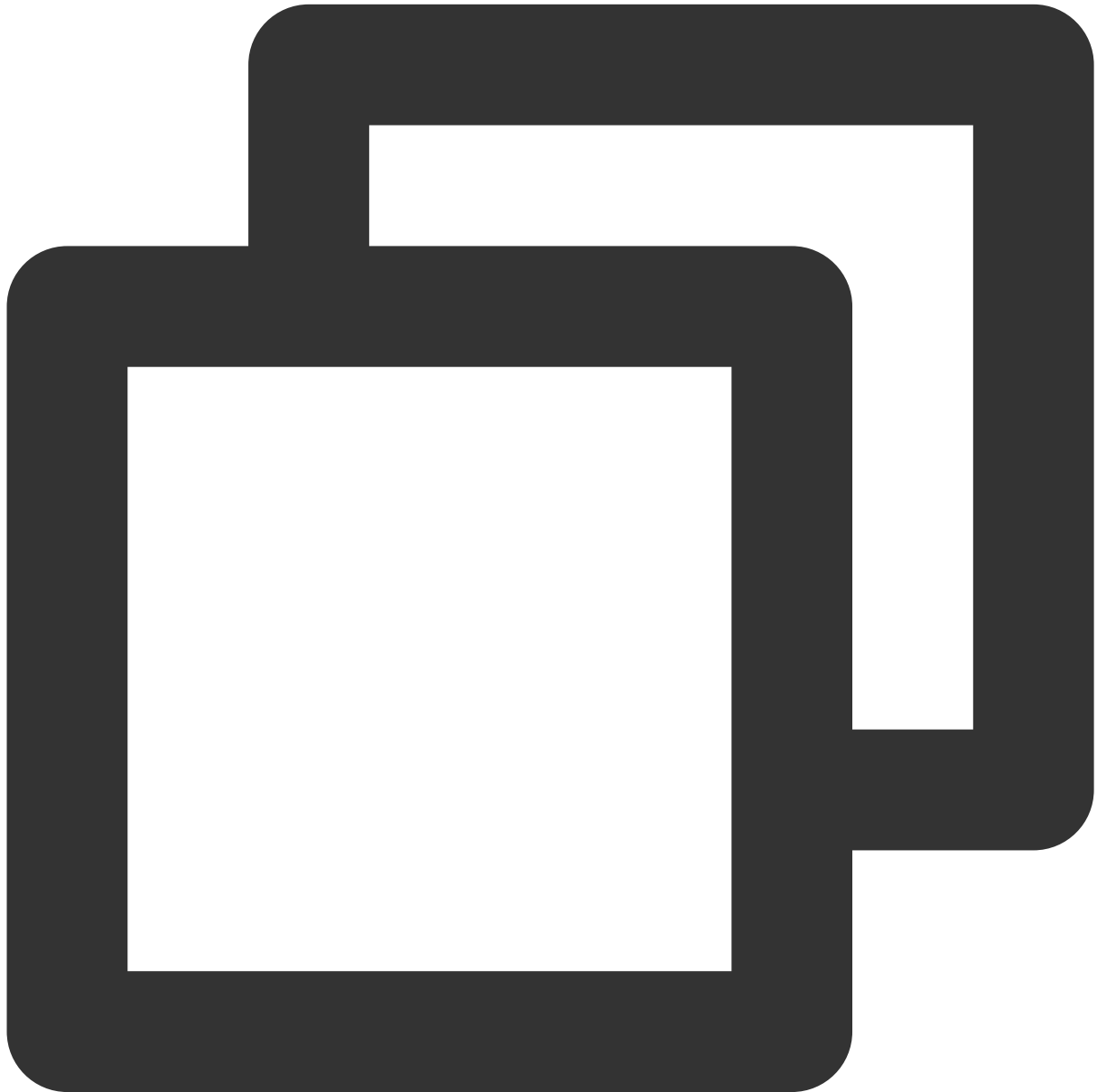
```
1.  Agency FB
2.  Agency FB Bold
3.  Algerian
```

4. Arial
5. Arial Black
6. Arial Bold
7. Arial Bold Italic
8. Arial Italici
9. Arial Narrow
10. Arial Narrow B old
11. Arial Narrow B old ltalic
12. Arial Narrow Italic
13. Arial Rounded MT Bold
14. Arial Unicode MS
15. Bahnschrift Condensed
16. Bahnschrift Light
17. Bahnschrift Light Condensed
18. Bahnschrift Light SemiCondensed
19. Bahnschrift Regular
20. Bahnschrift SemiB old
21. Bahnschrift SemiB old Condensed
22. Bahnschrift SemiB old SemiCondensed
23. Bahnschrift SemiCondensed
24. Bahnschrift SemiLight
25. Bahnschrift SemiLight Condensed
26. Bahnschrift SemiLight SemiCondensed
27. Baskerille Old Face
28. Bauhaus 93
29. Bell MT
30. Bell MT Bold
31. Bell MT Italic
32. Berlin Sans FB
33. Berlin Sans FB Bold
34. Berlin Sans FB Demi Bold
35. Bernard MT Condensed
36. Blackadder ITC
37. Bodoni MT
38. Bodoni MT Black
39. Bodoni MT Black Italic
40. Bodoni MT Bold
41. Bodoni MT Bold Italic
42. Bodoni MT Condensed
43. Bodoni MT Condensed Bold
44. Bodoni MT Condensed Bold Italic
45. Bodoni MT Condensed Italic
46. Bodoni MT Italic
47. Bodoni MT Poster Compressed
48. Book Antiqua
49. Book Antiqua Bold
50. Book Antiqua B old Italic

51. Book Antiqua Italic
52. Bookman Old Style
53. Bookman Old Style Bold
54. Bookman Old Style Bold Italica
55. Bookman Old Style Italic
56. Bookshelf Symbol 7
57. Bradley Hand ITC
58. Britannic Bold
59. Broadway
60. Brush Script MT Italic
61. Calibri
62. Calibri Bold
63. Calibri Bold Italica
64. Calibri Italic
65. Calibri Light
66. Calibri Light Italic
67. Californian FB
68. Californian FB Bold
69. Californian FB Italic
70. Calisto MT
71. Calisto MT Bold
72. Calisto MT Bold ltalica
73. Calisto MT Italic
74. Cambria
75. Cambria Bold
76. Cambria Bold Italic
77. Cambria Italic
78. Cambria Math
79. Candara
80. Candara Bold
81. Candara Bold Italic
82. Candara Italic
83. Candara Light
84. Candara Light Italic
85. Castellar
86. Centaur
87. Century
88. Century Gothic
89. Century Gothic Bold
90. Century Gothic B old Italic
91. Century Gothic Italic
92. Century Schoolbook
93. Century Schoolbook Bold
94. Century Schoolbook Bold Italic
95. Century Schoolbook Italica
96. Chiller
97. Colonna MT

98. Comic Sans MS
99. Comic Sans MS Bold
100. Comic Sans MS Bold Italic
101. Comic Sans MS Italic
102. Consolas
103. Consolas Bold
104. Consolas Bold Italic
105. Consolas Italic
106. Constantia
107. Constantia Bold
108. Constantia Bold Italic
109. Constantia Italic
110. Cooper BIack
111. Copperplate Gothic Bold
112. Copperplate Gothic Light
113. Corbel
114. Corbel Bold
115. Corbel Bold Italic
116. Corbel Italic
117. Corbel Light
118. Corbel Light Italic
119. Courier New
120. Courier New Bold
121. Courier New Bold Italic
122. Courier New Italic
123. Curlz MT
124. Dubai Bold
125. Dubai Light
126. Dubai Medium
127. Dubai Regular
128. Ebrima
129. Ebrima Bold
130. Edwardian Script ITC
131. Elephant
132. Elephant Italic
133. Engravers MT
134. Eras Bold ITC
135. Eras Demi ITC
136. Eras Light ITC
137. Eras Medium ITC
138. Felix Titling
139. Footlight MT Light
140. Forte
141. Franklin Gothic Book
142. Franklin Gothic Book Italic
143. Franklin Gothic Demi
144. Franklin Gothic Demi Cond

145. Franklin Gothic Demi Italic
146. Franklin Gothic Heavy
147. Franklin Gothic Heavy Italic
148. Franklin Gothic Medium
149. Franklin Gothic Medium Cond
150. Franklin Gothic Medium Italici
151. Freestyle Script
152. French Script MT
153. Gabriola
154. Gadugi
155. Gadugi Bold
156. Garamond
157. Garamond Bold
158. Garamond Italic
159. Georgia
160. Georgia Bold
161. Georgia Bold Italic
162. Georgia Italic
163. Gigi
164. Gill Sans MT
165. Gill Sans MT Bold
166. Gill Sans MT Bold Italic
167. Gill Sans MT Condensed
168. Gill Sans MT Ext Condensed Bold
169. Gill Sans MT Italic
170. Gill Sans Ultra Bold
171. Gill Sans Utra Bold Condensed
172. Gloucester MT Extra Condensed
173. Goudy Old Style
174. Goudy Old Style Bold
175. Goudy Old Style Italic
176. Goudy Stout
177. Hettenschweiler
178. Harlow Solid Italic
179. Harrington
180. High Tower Text
181. High Tower Text Italica
182. HoloLens MDL2 Assets
183. Impact
184. Imprint MT Shadow
185. Informal Roman
186. Ink Free
187. Javanese Text
188. Jokerman
189. Juice ITC
190. Kristen ITC
191. Kunstler Script

192. Leelawadee
193. Leelawadee Bold
194. Leelawadee UI
195. Leelawadee UI Bold
196. Leelawadee UI Semilight
197. Lucida Bright
198. Lucida Bright Demibold
199. Lucida Bright Demibold Italic
200. Lucida Bright Italic
201. Lucida alligraphy Italic
202. Lucida Console
203. Lucida Fax Demibold
204. Lucida Fax Demibold Italica
205. Lucida Fax Italic
206. Lucida Fax Regular
207. Lucida Handwriting Italic
208. Lucida Sans Demibold Italic
209. Lucida Sans Demibold Roman
210. Lucida Sans Italic
211. Lucida Sans Regular
212. Lucida Sans Typewriter Bold
213. Lucida Sans Typewriter Bold Oblique
214. Lucida Sans Typewriter Oblique
215. Lucida Sans Typewriter Regular
216. Lucida Sans Unicode
217. Magneto Bold
218. Maiandra GD
219. Malgun Gothic
220. Malgun Gothic Bold
221. Malgun Gothic Semilight
222. Matura MT Script Capitals
223. Merriweather Black
224. Merriweather Light
225. Merriweather Regular
226. Microsoft Himalaya
227. Microsoft JhengHei
228. Microsoft JhengHei Bold
229. Microsoft JhengHei Light
230. Microsoft JhengHei UI
231. Microsoft JhengHei UI Bold
232. Microsoft JhengHei UI Light
233. Microsoft New Tai Lue
234. Microsoft New Tai Lue Bold
235. Microsoft PhagsPa
236. Microsoft PhagsPa Bold
237. Microsoft Sans Serif
238. Microsoft Tai Le

```
239.  Microsoft Tai Le Bold
240.  Microsoft Uighur
241.  Microsoft Uighur Bold
242.  Microsoft YaHei UI
243.  Microsoft YaHei UI Light
244.  Microsoft Yi Baiti
245.  MingLiU_HKSCS-ExtB
246.  MingLiU-ExtB
247.  Mistral
248.  Modern No.20
249.  Mongolian Baiti
250.  Monotype Corsiva
251.  MS Gothic
252.  MS Outlook
253.  MS PGothic
254.  MS Reference Sans Serif
255.  MS Reference Specialty
256.  MS UI Gothic
257.  MT Extra
258.  MIV Boli
259.  Myanmar Text
260.  Myanmar Text Bold
261.  Niagara Engraved
262.  Niagara Solid
263.  Nirmala UI
264.  Nirmala UI Bold
265.  Nirmala UI Semilight
266.  OCR A Extended
267.  Old English Text MT
268.  Onyx
269.  Open Sans
270.  Open Sans Extrabold
271.  Open Sans Light
272.  Open Sans Semibold
273.  Palace Script MT
274.  Palatino Linotype
275.  Palatino Linotype Bold
276.  Palatino Linotype Bold ltalic
277.  Palatino Linotype Italic
278.  Papyrus
279.  Parchment
280.  Perpetua
281.  Perpetua Bold
282.  Perpetua Bold Italic
283.  Perpetua Italic
284.  Perpetua Titling MT Bold
285.  Perpetua Titling MT Light
```

286. Playbill
287. PMlingLiU-ExtB
288. Poor Richard
289. Pristina
290. Rage Italic
291. Raleway
292. Raleway Black
293. Raleway ExtraBold
294. Raleway ExtraLight
295. Raleway Light
296. Raleway Medium
297. Raleway SemiBold
298. Raleway Thin
299. Ravie
300. Roboto
301. Roboto Black
302. Roboto Light
303. Roboto Medium
304. Roboto Slab Light
305. Roboto Thin
306. Rockwell
307. Rockwell Bold
308. Rockwell Bold Italic
309. Rockwell Condensed
310. Rockwell Condensed Bold
311. Rockwell Extra Bold
312. Rockwell Italic
313. Script MT Bold
314. Segoe MDL2 Assets
315. Segoe Print
316. Segoe Print B old
317. Segoe Script
318. Segoe Script Bold
319. Segoe UI
320. Segoe UI BIack
321. Segoe UI Black Italic
322. Segoe UI Bold
323. Segoe UI Bold Italic
324. Segoe UI Emoji
325. Segoe UI Historic
326. Segoe UI Italic
327. Segoe UI Light
328. Segoe UI Light ltalic
329. Segoe UI Semibold
330. Segoe UI Semibold Italic
331. Segoe UI Semilight
332. Segoe UI Semilight Italic

333. Segoe UI Symbol
334. Showcard Gothic
335. SimSun ExtB
336. Sitka Banner
337. Sitka Banner Bold
338. Sitka Banner Bold Italic
339. Sitka Banner Italici
340. Sitka Display
341. Sitka Display Bold
342. Sitka Display Bold Italic
343. Sitka Display ltalica
344. Sitka Heading
345. Sitka Heading Bold
346. Sitka Heading Bold Italic
347. Sitka Heading Italica
348. Sitka Small
349. Sitka Small Bold
350. Sitka Small Bold Italica
351. Sitka Small ltalic
352. Sitka Subheading
353. Sitka Subheading Bold
354. Sitka Subheading Bold Italic
355. Sitka Subheading Italic
356. Sitka Text
357. Sitka Text Bold
358. Sitka Text Bold Italic
359. Sitka Text Itali
360. Snap ITC
361. Stencil
362. Sylfaen
363. Symbol
364. Tahoma
365. Tahoma Bold
366. TeamViewer1 3
367. Tempus Sans ITC
368. Times New Roman
369. Times New Roman Bold
370. Times New Roman Bold Italic
371. Times New Roman Italic
372. Trebuchet MS
373. Trebuchet MS Bold
374. Trebuchet MS Bold ltalic
375. Trebuchet MS Italic
376. Tw Cen MT
377. Tw Cen MT Bold
378. Tw Cen MT Bold Italic
379. Tw Cen MT Condensed

```
380.  Tw Cen MT Condensed Bold
381.  Tw Cen MT Condensed Extra Bold
382.  Tw Cen MT Italici
383.  Verdana
384.  Verdana Bold
385.  Verdana Bold Italic
386.  Verdana Italic
387.  Viner Hand ITC
388.  Vivaldi Italic
389.  Vladimir Script
390.  Webdings
391.  Wide Latin
392.  Wingdings
393.  Wingdings 2
394.  Wingdings 3
395.  Yu Gothic Bold
396.  Yu Gothic Light
397.  Yu Gothic Medium
398.  Yu Gothic Regular
399.  Yu Gothic UI Bold
400.  Yu Gothic Ul Light
401.  Yu Gothic UI Regular
402.  Yu Gothic UI Semibold
403.  Yu Gothic UI Semilight
404.  DengXian
405.  DengXian Light
406.  FZShuTi
407.  FZYaoTi
408.  FangSong
409.  SimHei
410.  STCaiyun
411.  STFangsong
412.  STHupo
413.  STKaiti
414.  STLiti
415.  STSong
416.  STXihei
417.  STXinwei
418.  STXingkai
419.  STZhongsong
420.  KaiTi
421.  LiSu
422.  SimSun
423.  Microsoft YaHei
424.  Microsoft YaHei Light
425.  NSimSun
426.  YouYuan
```

Other Limits

Last updated：2023-05-26 14:16:11

1. Class recording

Only one class recording task can be initiated in a room at a given time.

A maximum of 100 recording tasks can run concurrently in a whiteboard application. To increase the quota, please submit a ticket.

2. Whiteboard push

Only one whiteboard push task can be initiated in a room at a given time.

A maximum of 100 push tasks can run concurrently in a whiteboard application. To increase the quota, please submit a ticket.

3. Whiteboard pages

A maximum of 2,000 pages are allowed in a room. To increase the quota, please submit a ticket.

The rules about calculating whiteboard pages in a room are as follows:

A whiteboard room has one default whiteboard page, which cannot be deleted.

Adding a whiteboard page (`addBoard`) will create one page, and deleting a whiteboard page (`deleteBoard`) will delete one page.

For static or dynamic document transcoding (`addTranscodeFile`), the number of pages is determined by the input parameter `pages` . For example, if `pages` is `10` , this file will create 10 whiteboard pages, and deleting the file (`deleteFile`) will delete 10 pages.

Adding a video file (`addVideoFile`) will create a whiteboard page, and deleting a file (`deleteFile`) will delete one page.

Adding an HTML5 file (`addH5File`) will create a whiteboard page, and deleting a file (`deleteFile`) will delete one page.

For an image group file (`addImagesFile`), the number of pages is determined by the input parameter `urls` . For example, if `urls` is `10` , this file will create 10 whiteboard pages, and deleting the file (`deleteFile`) will delete 10 pages.

4. Class data storage

The class data storage rules are as follows:

Class data is stored for 7 days by default (starting from the last operation time of the class). If no operation is performed on the class within these 7 days, the data will be cleared.

Scenario 1: Class A was last operated on 2022-04-01 12:00:00, and no operation was performed on the class within the following 7 days. In this case, the data of class A was cleared on 2022-04-08 12:00:00.

Scenario 2: Class B was operated on 2022-04-01 12:00:00 and 2022-04-06 13:00:00, and then no operation was performed on the class within the following 7 days. In this case, the data of class B was cleared on 2022-04-13 13:00:00.

Cleared data cannot be recovered.

5. Use limits of common buckets

If bucket configuration is not performed, the resource files generated by document transcoding and whiteboard recording will be stored in the common bucket for interactive whiteboard as follows:

Resource Type	Storage Period
Video recording file	**3 days**
Document transcoding result	**7 days**

The resource files in the bucket will be **automatically deleted** after the storage period. We recommend that you perform bucket configuration before using the transcoding or recording feature, to facilitate your own management of the access permissions and lifecycle of resource files.

6. Interactive graffiti

If you use Tencent Cloud Chat as the signaling channel for interactive graffiti, note the following limits:

1. For an application created in the Tencent Interactive Whiteboard console, the default package is the trial edition, which supports a maximum of 20 members in a non-audio-video group, and a maximum of 100 groups per month.

2. For an application imported from Chat, see its use limits here.

3. You can upgrade the application in the Chat console. For detailed directions, see Creating and Upgrading an Application.