

Text Engine

Text Alignment

Enumeration type `TextAlignment` has been replaced by new enum types `HorizontalAlignment` and `VerticalAlignment`.

- `HorizontalAlignment`: `HLeft`, `HCenter`, `HRight`, `HStretch`
 - `VerticalAlignment`: `VTop`, `VCenter`, `VBottom`, `VStretch`
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Integrated FreeType 2.5

The following new options are available for configuration from CMake:

- `FT_CONFIG_OPTION_NO_ASSEMBLER`
 - `FT_CONFIG_OPTION_SYSTEM_ZLIB`
 - `FT_CONFIG_OPTION_DISABLE_STREAM_SUPPORT`
 - `FT_CONFIG_OPTION_USE_PNG`
 - `FT_CONFIG_OPTION_PIC`
 - `TT_CONFIG_OPTION_SUBPIXEL_HINTING`
 - `TT_CONFIG_OPTION_UNPATENTED_HINTING` All these options are disabled by default.
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RgbColor deprecated

The class `Candera::TextRendering::RgbColor` has been deprecated. [Candera::Color](#) shall be used instead.

Text Measure Context

`TextRenderer::GetBoundingBox` is deprecated. Instead `TextMeasureContext` is available to provide similar functionality, in a more configurable manner. `GlyphTextMeasureContext` is a class provided to emulate the behavior of `GetBoundingBox` for `ActualHeight` alignment parameter. The rectangle returned by this class may be offset from the text position. To have the same alignment as before when rendering the text, the inverse of this offset needs to be applied. `CursorTextMeasureContext` is a class provided to emulate the behavior of `GetBoundingBox`

for ConstantHeight alignment parameter. The rectangle returned by this class does not usually have an offset and it contains the final advancement of the cursor. From the two rectangles, all values returned by GetBoundingBox may be computed.

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