Ruwudu - Font Features

Ruwudu is a TrueType font with smart font capabilities added using the OpenType font technology. The Ruwudu font includes a number of optional features that provide alternative rendering that might be preferable for use in some contexts. The sections below enumerates the details of these features. Whether these features are available to users will depend on both the application and the rendering technology being used. Features are available in OpenType. Some applications let the user control certain features such as Stylistic Sets to turn on the rendering of variant characters. However, at this point, many applications do not make use of those features so another solution is needed to show the variant characters. TypeTuner creates tuned fonts that use the variant glyph in place of the standard glyph.

See Using Font Features. Although that page is not targeted at Arabic script support, it does provide a comprehensive list of applications that make full use of the OpenType (and Graphite) font technologies.

See also Arabic Fonts — Application Support. It provides a fairly comprehensive list of applications that make full use of the OpenType font technology.

This page uses web fonts (WOFF) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Ruwudu as a web font see *Ruwudu-webfont-example.html* in the font package web folder.

If this document is not displaying correctly a PDF version is also provided in the documentation/pdf folder of the release package.

Signs Spanning Numbers

These signs spanning numbers are intended to enclose or hold one or more digits. Specific technical details of how to use them are discussed in the Arabic fonts FAQ -- Subtending marks.

Currently, this font only supports the **Number Sign** (U+0600) and **End of Ayah** (U+06DD). Additionally, Ruwudu includes two simplified alternates for U+06DD ARABIC END OF AYAH under the Stylistic Alternates (salt) feature, but at this time we know of no OpenType-based applications that can access these. The two alternates are also available through the Stylistic Sets feature discussed below.

Customizing with TypeTuner

For applications that do not make use of the OpenType Stylistic Sets, you can now download fonts customized with the variant glyphs you choose. Read this document, visit TypeTuner Web, then choose the variants and download your font.

Stylistic Sets

There are some character shape differences in different languages which use the Arabic script. These can be accessed by using the OpenType Stylistic Sets mentioned above.
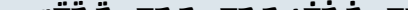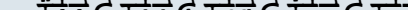
Imala e (ss04)
Affects: U+065C

Feature	Sample	Feature setting
Standard	ـٜ	ss04=0
Small	ـٜ	ss04=1
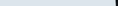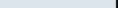
Jeem/Hah (ss07)

Affects: U+062C, U+062D, U+062E, U+0683, U+0684, U+08A2

Feature	Sample	Feature setting
Standard	جٍ جَجِجٍ جٍ حَحِحٍ جٍ خَخِخٍ جٍ ڃَڃِڃٍ جٍ ڄَڄِڄٍ جٍ ࢢَࢢِࢢٍ	ss07=0
Flat style	جٍ جَجِجٍ جٍ حَحِحٍ جٍ خَخِخٍ جٍ ڃَڃِڃٍ جٍ ڄَڄِڄٍ جٍ ࢢَࢢِࢢٍ	ss07=1

Alef diacritic placement (ss08)

Affects: U+0627, U+064E, U+064F, U+0650

Feature	Sample	Feature setting
Standard	اآ اَ اُ اِ	ss08=0
Touching	اآ اَ اُ اِ	ss08=1

Wagaf (ss09)

Affects: U+063F, U+069F, U+0751, U+0763, U+08C3, U+08C4

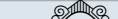| Feature value	Sample	Feature setting
Standard	ٿ ێۑۍ ظ ظَظِظٌ ݓ ڋڋڋ ک کَکِکٌ ݣ ݣَݣِݣٌ ࣃ ࣃَࣃِࣃٌ	ss09=0
Small	ٿ ێۑۍ ظ ظَظِظٌ ݓ ڋڋڋ ک کَکِکٌ ݣ ݣَݣِݣٌ ࣃ ࣃَࣃِࣃٌ	ss09=1

End of ayah

Affects: U+06DD

Firefox allows you to use U+06DD followed by the digits and proper rendering occurs. Some applications require the following:

- precede the entire sequence (subtending mark plus following digits) with 202D LEFT-TO-RIGHT OVERRIDE
- follow the entire sequence with U+202C POP DIRECTIONAL FORMATTING.

Surrounding the sequence with U+202D and U+202C seems to give the most reliable results in different browsers. However, we have not found a solution that works in Internet Explorer/Edge.

In the example below, the following codepoints are used: U+202D U+06DD U+0031 U+0032 U+0033 U+202C U+202D U+06DD U+0611 U+0622 U+0663 U+202C.

Feature	Sample	Feature setting
Standard	123 ١٢٣	ss02=0 ss03=0
End of ayah A	123 ١٢٣	ss02=1
End of ayah B	123 ١٢٣	ss03=1

Proportional Figures

Ruwudu supports the OpenType **Proportional Figures (pnum)** for Latin digits. *This feature is not supported in TypeTuner Web.*

Affects: U+0030..U+0039

Feature	Sample	Feature setting
Tabular Figures	0 1 2 3 4 5 6 7 8 9	pnum=0
Proportional Figures	0 1 2 3 4 5 6 7 8 9	pnum=1

Contextual Alternates

Ruwudu has a few contextual rules applying subtle differences in the shape and position of certain of the characters depending on context (sometimes shortening, sometimes lengthening or lowering a "tail"). InDesign is able to utilize some of these cross word contextual alternates; however, most applications are not advanced enough to use this behavior in the font. Unfortunately, at this point in the development of the font, combining marks above or below may break these contextual alternates.

Substitutions to avoid collisions in strings with *yeh barree* character

یے بسے

بێٹے بسے

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