

# Andika - Font Features

Andika is an OpenType-enabled font family that supports the Latin and Cyrillic scripts. It includes a number of optional features that may be useful or required for particular uses or languages. This document lists all the available features.

These OpenType features are primarily specified using four-letter tags (e.g. 'cv17'), although some applications may provide a direct way to control certain common features such as small caps. For more information on how to access OpenType features in specific environments and applications, see [Using Font Features](#).

*Please note that Graphite support has been removed in the current release, but continues to be available in the version 5 fonts. See our [Previous Versions archive](#).*

This page uses web fonts (WOFF2) to demonstrate font features and should display correctly in all modern browsers. For a more concise example of how to use Andika as a web font see *Andika-webfont-example.html* in the font package web folder. For detailed information, see [Using SIL Fonts on Web Pages](#).

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

## Complete feature list

### Stylistic alternates

#### Small caps from lowercase

Affects: all lowercase letters with capital equivalents

Feature	Sample	Feature setting
Standard	A ... Z (all letters with capital equivalents)	smcp=0
Small caps	A ... Z (all letters with capital equivalents)	smcp=1

#### Small caps from capitals

*This feature is not supported in TypeTuner Web.*

Affects: all capitals

Feature	Sample	Feature setting
Standard	A ... Z (all capitals)	c2sc=0
Small caps	A ... Z (all capitals)	c2sc=1

#### Double-story a and g

*On TypeTuner Web this feature is called 'Single-story a and g'. It was formerly called 'Literacy alternates'.*

Affects: U+0061 U+00AA U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EB7 U+2C65 U+2090 U+1D43 U+0363 U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

[illegible]

### Double-story a (only)

Affects: U+0061 U+00AA U+00E0 U+00E1 U+00E2 U+00E3 U+00E4 U+00E5 U+0101 U+0103 U+0105 U+01CE U+01DF U+01E1 U+01FB  
U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA1 U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5  
U+1EB7 U+2C65 U+2090 U+1D43 U+0363

Feature	Sample	Feature setting
Standard	<p>a<sup>a</sup> à á â ã ä å ā ă ą ǎ ǎ̄ ǎ̄́ ǎ̄̂ ǎ̄̃ ǎ̄̄ ǎ̄̅ ǎ̄̆ ǎ̄̇ ǎ̄̈ ǎ̄̉ ǎ̄̊ ǎ̄̋ ǎ̄̌ ǎ̄̍ ǎ̄̎ ǎ̄̏ ǎ̄̐ ǎ̄̑ ǎ̄̒ ǎ̄̓ ǎ̄̔ ǎ̄̕ ǎ̖̄ ǎ̗̄ ǎ̘̄ ǎ̙̄ ǎ̄̚ ǎ̛̄ ǎ̜̄ ǎ̝̄ ǎ̞̄ ǎ̟̄ ǎ̠̄ ǎ̡̄ ǎ̢̄ ạ̌̄ ǎ̤̄ ḁ̌̄ ǎ̦̄ ǎ̧̄ ą̌̄ ǎ̩̄ ǎ̪̄ ǎ̫̄ ǎ̬̄ ǎ̭̄ ǎ̮̄ ǎ̯̄ ǎ̰̄ ǎ̱̄ ǎ̲̄ ǎ̳̄ ǎ̴̄ ǎ̵̄ ǎ̶̄ ǎ̷̄ ǎ̸̄ ǎ̹̄ ǎ̺̄ ǎ̻̄ ǎ̼̄ ǎ̽̄ ǎ̾̄ ǎ̿̄ ǎ̺̣̄ ǎ̻̣̄ ǎ̼̣̄ ạ̌̽̄ ạ̌̾̄ ạ̌̿̄ ǎ̺̤̄ ǎ̻̤̄ ǎ̼̤̄ ǎ̤̽̄ ǎ̤̾̄ ǎ̤̿̄ ǎ̺̥̄ ǎ̻̥̄ ǎ̼̥̄ ḁ̌̽̄ ḁ̌̾̄ ḁ̌̿̄ ǎ̺̦̄ ǎ̻̦̄ ǎ̼̦̄ ǎ̦̽̄ ǎ̦̾̄ ǎ̦̿̄ ǎ̧̺̄ ǎ̧̻̄ ǎ̧̼̄ ǎ̧̽̄ ǎ̧̾̄ ǎ̧̿̄ ą̺̌̄ ą̻̌̄ ą̼̌̄ ą̌̽̄ ą̌̾̄ ą̌̿̄ ǎ̺̩̄ ǎ̻̩̄ ǎ̼̩̄ ǎ̩̽̄ ǎ̩̾̄ ǎ̩̿̄ ǎ̺̪̄ ǎ̻̪̄ ǎ̼̪̄ ǎ̪̽̄ ǎ̪̾̄ ǎ̪̿̄ ǎ̺̫̄ ǎ̻̫̄ ǎ̼̫̄ ǎ̫̽̄ ǎ̫̾̄ ǎ̫̿̄ ǎ̺̬̄ ǎ̻̬̄ ǎ̼̬̄ ǎ̬̽̄ ǎ̬̾̄ ǎ̬̿̄ ǎ̺̭̄ ǎ̻̭̄ ǎ̼̭̄ ǎ̭̽̄ ǎ̭̾̄ ǎ̭̿̄ ǎ̺̮̄ ǎ̻̮̄ ǎ̼̮̄ ǎ̮̽̄ ǎ̮̾̄ ǎ̮̿̄ ǎ̺̯̄ ǎ̻̯̄ ǎ̼̯̄ ǎ̯̽̄ ǎ̯̾̄ ǎ̯̿̄ ǎ̺̰̄ ǎ̻̰̄ ǎ̼̰̄ ǎ̰̽̄ ǎ̰̾̄ ǎ̰̿̄ ǎ̺̱̄ ǎ̻̱̄ ǎ̼̱̄ ǎ̱̽̄ ǎ̱̾̄ ǎ̱̿̄ ǎ̺̲̄ ǎ̻̲̄ ǎ̼̲̄ ǎ̲̽̄ ǎ̲̾̄ ǎ̲̿̄ ǎ̺̳̄ ǎ̻̳̄ ǎ̼̳̄ ǎ̳̽̄ ǎ̳̾̄ ǎ̳̿̄ ǎ̴̺̄ ǎ̴̻̄ ǎ̴̼̄ ǎ̴̽̄ ǎ̴̾̄ ǎ̴̿̄ ǎ̴̺̣̄ ǎ̴̻̣̄ ǎ̴̼̣̄ ạ̴̌̽̄ ạ̴̌̾̄ ạ̴̌̿̄ ǎ̴̺̤̄ ǎ̴̻̤̄ ǎ̴̼̤̄ ǎ̴̤̽̄ ǎ̴̤̾̄ ǎ̴̤̿̄ ǎ̴̺̥̄ ǎ̴̻̥̄ ǎ̴̼̥̄ ḁ̴̌̽̄ ḁ̴̌̾̄ ḁ̴̌̿̄ ǎ̴̺̦̄ ǎ̴̻̦̄ ǎ̴̼̦̄ ǎ̴̦̽̄ ǎ̴̦̾̄ ǎ̴̦̿̄ ǎ̴̧̺̄ ǎ̴̧̻̄ 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### Double-story g (only)

Affects: U+0067 U+011D U+011F U+0121 U+0123 U+01E7 U+01F5 U+01E5 U+1E21 U+A7A1 U+1D4D

Feature	Sample	Feature setting
Standard	g ĝ ǵ ğ ɡ ǻ ɢ ȡ ʒ <sup>g</sup>	ss14=0
Double-story	ḡ ḥ ḫ Ḍ Ḑ ḑ Ḕ Ḗ ḗ Ḙ <sup>g</sup>	ss14=1

## Barred-bowl forms

Affects: U+0111 U+0180 U+01E5

Feature	Sample	Feature setting
Standard	$\mathfrak{d} \ \mathfrak{b} \ \mathfrak{g}$	ss04=0
Barred-bowl	$\mathfrak{d} \ \mathfrak{b} \ \mathfrak{g}$	ss04=1

## Slant italic specials

Affects: U+0061 U+00E3 U+00E0 U+00E1 U+00E2 U+00E4 U+00E5 U+0101 U+0103 U+01CE U+01DF U+01E1 U+01FB U+0201 U+0203 U+0227 U+1E01 U+1E9A U+1EA3 U+1EA5 U+1EA7 U+1EA9 U+1EAB U+1EAD U+1EAF U+1EB1 U+1EB3 U+1EB5 U+1EA1 U+1EB7 U+2C65 U+0250 U+00E6 U+0066 U+1E1F U+0069 U+00EC U+00ED U+00EE U+00EF U+0129 U+012B U+012D U+012F U+01D0 U+0209

U+020B U+1E2D U+1E2F U+1EC9 U+1ECB U+0131 U+006C U+013A U+1E37 U+1E39 U+1E3B U+1E3D U+0076 U+1E7D U+1E7F U+007A  
U+017A U+017C U+017E U+1E91 U+1E93 U+1E95 U+0493 U+04FB U+F327 U+A749 U+A75F U+2097

[illegible]

## Character alternates



## B hook

Affects: U+0181

Feature	Sample	Feature setting
Standard	Б	cv13=0
Lowercase-style	б	cv13=1



## D hook

Affects: U+018A

Feature	Sample	Feature setting
Standard		cv17=0
Lowercase-style		cv17=1



## H stroke

Affects: U+0126

Feature	Sample	Feature setting
Standard		cv28=0
Vertical stroke		cv28=1

**i**

Affects: U+0069 U+00EC U+00ED U+00EE U+00EF U+0129 U+012B U+012D U+012F U+0131 U+01D0 U+0209 U+020B U+0365 U+1D62 U+1DA4 U+1E2C U+1E2D U+1E2F U+1EC9 U+1ECB U+2071

Feature	Sample	Feature setting
Standard		cv31=0
Curved tail		cv31=1

## J

Affects: U+004A U+006A U+0134 U+0135 U+0248 U+0249 U+029D U+1D0A U+1D36 U+A7B2

Feature	Sample	Feature setting
Standard	J Ĵ J̃ J̄ J̅ J̆	cv35=0
Bar top	J Ĵ J̃ J̄ J̅ J̆	cv35=1

## j

Affects: U+006A U+0135 U+01F0 U+0237 U+0249 U+025F U+029d U+02B2 U+1DA1 U+1DA8 U+2C7C

Feature	Sample	Feature setting
Standard	j ĵ j̃ j̄ j̅ j̆ j̇ j̈ j̉	cv34=0
Top serif	j ĵ j̃ j̄ j̅ j̆ j̇ j̈ j̉	cv34=1

## J stroke hook

Affects: U+0284

Feature	Sample	Feature setting
Standard	f	cv37=0
Top serif	f	cv37=1

## I

Affects: U+006C U+013A U+013C U+013E U+0140 U+0142 U+019A U+026B U+026C U+02E1 U+1D85 U+1DAA U+1E37 U+1E39 U+1E3B U+1E3D U+2C61 U+A749 U+2097

Feature	Sample	Feature setting
Standard	I Í Î Ï Ĩ Ĵ Ķ Ŀ Ł Œ Š ſ ŧ Ũ Ū Ŷ ŷ Ź Ž	cv39=0
Curved tail	I Í Î Ï Ĩ Ĵ Ķ Ŀ Ł Œ Š ſ ŧ Ũ Ū Ŷ ŷ Ź Ž	cv39=1

## Eng

Affects: U+014A

Feature	Sample	Feature setting
Standard	ŋ	cv43=0
Lowercase style on baseline	ŋ	cv43=1
Uppercase style with descender	Ŋ	cv43=2
Alt. lowercase style on baseline	ŋ	cv43=3

**N left hook**

Affects: U+019D

Feature	Sample	Feature setting
Standard	Ń	cv44=0
Lowercase-style	ņ	cv44=1

**Open-O**

Affects: U+0186 U+0254 U+1D10 U+1D53 U+1D97

Feature	Sample	Feature setting
Standard	Ɔ ɔ ɔ ɔ ɔ	cv46=0
Top serif	Ɔ ɔ ɔ ɔ ɔ	cv46=1

**OU**

Affects: U+0222 U+0223 U+1D3D U+1D15

Feature	Sample	Feature setting
Standard	8 8 8 8	cv47=0
Open	8 8 8 8	cv47=1

**p hook**

Affects: U+01A5

Feature	Sample	Feature setting
Standard	Ɔ	cv49=0
Right hook	Ɔ	cv49=1

**Q**

Affects: U+0051 U+A756 U+A758

Feature	Sample	Feature setting
Standard	Q Q Q	cv52=0
Tail across	Q Q Q	cv52=1

**q**

Affects: U+0071 U+A757 U+A759 U+02A0

Feature	Sample	Feature setting
Standard	q q q q	cv51=0
Pointed	q q q q	cv51=1

## R tail

Affects: U+2C64

Feature	Sample	Feature setting
Standard	$\mathbb{R}$	cv55=0
Lowercase-style	$\mathfrak{r}$	cv55=1

**t**

Affects: U+0074 U+0163 U+0165 U+0167 U+01AB U+01AD U+021B U+0287 U+02A6 U+02A7 U+02A8 U+036D U+1D57 U+1D75 U+1D7A U+1DB5 U+1E6B U+1E6D U+1E6F U+1E71 U+1E97 U+209C U+2C66 U+A729

[illegible]

## Thook

Affects: U+01AC

Feature	Sample	Feature setting
Standard	T	cv57=0
Right hook	T	cv57=1

## V hook

Affects: U+01B2 U+028B U+1DB9

Feature	Sample	Feature setting
Standard	U u <sup>u</sup>	cv62=0
Straight with low hook	V v <sup>v</sup>	cv62=1
Straight with high hook	V v <sup>v</sup>	cv62=2

## Y hook

Affects: U+01B3

Feature	Sample	Feature setting
Standard	Υ	cv68=0
Left hook	Υ	cv68=1

**y**

Affects: U+0079 U+024F U+02B8 U+00FD U+1EF3 U+0177 U+1E99 U+00FF U+1EF9 U+1E8F U+0233 U+1EF7 U+1EF5 U+01B4 U+028E U+F1CE U+F267

Feature	Sample	Feature setting
Standard	y ŷ <sup>y</sup> ý ÿ â ê ö ü ã ð ñ ò <sup>̂</sup> ŧ γ λ ™ ☒	cv67=0
Straight tail	y ŷ <sup>y</sup> ý ÿ â ê ö ü ã ð ñ ò <sup>̂</sup> ŧ γ λ ™ ☒	cv67=1

## Ezh

Affects: U+01B7 U+04E0

Feature	Sample	Feature setting
Standard	$\mathbb{Z}_3$	cv20=0
Reversed sigma	$\mathbb{Z}_3$	cv20=1

## ezh curl

Affects: U+0293

Feature	Sample	Feature setting
Standard	3	cv19=0
Large bowl	3	cv19=1

**rams horn**

Affects: U+0264

Feature	Sample	Feature setting
Standard	$\gamma$	cv25=0
Large bowl	$\sigma$	cv25=1
Small gamma	$\gamma$	cv25=2

## Clicks

Affects: U+01C0 U+01C1 U+01C2 U+2980

Feature	Sample	Feature setting
Standard (descending)	I II ‡ III	cv69=0
Baseline	I II ‡ III	cv69=1

## Diacritic and symbol alternates

### Vietnamese-style diacritics

Affects: U+1EA4 U+1EA5 U+1EA6 U+1EA7 U+1EA8 U+1EA9 U+1EAA U+1EAB U+1EAE U+1EAF U+1EB0 U+1EB1 U+1EB2 U+1EB3 U+1EB4 U+1EB5 U+1EBE U+1EBF U+1EC0 U+1EC1 U+1EC2 U+1EC3 U+1EC4 U+1EC5 U+1ED0 U+1ED1 U+1ED2 U+1ED3 U+1ED4 U+1ED5 U+1ED6 U+1ED7

Feature	Sample	Feature setting
Standard	Áá Àà Ăă Ãã Ấấ Ằằ Ẵẵ Ếế Ềề Ểể Ễễ Ớớ Ồồ Ỗỗ Ỗỗ	cv75=0
Vietnamese-style	Ăă Ằằ Ẵẵ Ấấ Ằằ Ẵẵ Ếế Ềề Ểể Ễễ Ớớ Ồồ Ỗỗ Ỗỗ	cv75=1

### Kayan diacritics

Affects: U+0300 U+0301

Feature	Sample	Feature setting
Standard	◌̣	cv79=0
Side by side	◌̣̣	cv79=1

### Ogonek

Affects: U+0328 U+0104 U+0105 U+0118 U+0119 U+012E U+012F U+0172 U+0173 U+01EA U+01EB U+01EC U+01ED

Feature	Sample	Feature setting
Standard	anything with ◌̣ (Aą Ęę Ĳi Ųų Qq Ūū)	cv76=0
Straight	anything with ◌̣ (Aą Ęę Ĳi Ųų Qq Ūo)	cv76=1

### Caron

Affects: U+010F U+013D U+013E U+0165

Feature	Sample	Feature setting
Standard	ď Ľ ľ ť	cv77=0
Global-style	ǎ Ľ ǎ ǎ	cv77=1

### Modifier apostrophe

Affects: U+02BC U+A78B U+A78C

Feature	Sample	Feature setting
Standard	’ ’ ’	cv70=0
Large	’ ’ ’	cv70=1



## Modifier colon

Affects: U+A789

Feature	Sample	Feature setting
Standard	:	cv71=0
Expanded	:	cv71=1

## Empty set

Affects: U+2205

Feature	Sample	Feature setting
Standard	∅	cv98=0
Zero-style	∅	cv98=1

## Cyrillic alternates

There are also Cyrillic characters affected by the “Ezh” and “Small capitals” features. Some languages may also use the “Modifier apostrophe”.

## Cyrillic E

Affects: U+042D U+044D

Feature	Sample	Feature setting
Standard	Э э	cv80=0
Mongolian-style	Э э	cv80=1

## Cyrillic shha

Affects: U+04BB

Feature	Sample	Feature setting
Standard	Һ	cv81=0
Uppercase-style	Һ	cv81=1

## Cyrillic breve

Affects: U+0306

Feature	Sample	Feature setting
Standard	anything with ǃ (ǃǃ)	cv82=0
Cyrillic-style	anything with ǃ (ǃǃ)	cv82=1

## Serbian Cyrillic alternates

These alternate forms mainly affect italic styles. Unlike other features, this is activated by tagging the span of text as being in the Serbian language, not by turning on an OpenType feature. It is also not available through TypeTuner Web although a similar feature is supported (cv84).

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	б з ђ н м ѝ	
Serbian	đ ĩ ǵ ū w̄ í	lang= 'sr '

### Macedonian Cyrillic alternates

*These alternate forms mainly affect italic styles. Unlike other features, this is activated by tagging the span of text as being in the Macedonian language, not by turning on an OpenType feature. It is also not available through TypeTuner Web although a similar feature is supported (cv84).*

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	б з ђ н м ѝ	
Macedonian	đ ĩ ǵ ū w̄ í	lang= 'mk '

### Serbian and Macedonian Cyrillic alternates

*This feature provides an alternate way to activate the Serbian and Macedonian forms in applications that do not support language-specific features.*

Affects: U+0431 U+0433 U+0434 U+043F U+0442 U+0453

Feature	Sample	Feature setting
Standard	б з ђ н м ѝ	cv84=0
Serbian Macedonian forms	đ ĩ ǵ ū w̄ í	cv84=1

## Tone alternates

### Chinantec tones

Affects: U+02CB U+02C8 U+02C9 U+02CA

Feature	Sample	Feature setting
Standard	˘ ˙ ˉ ˊ	cv90=0
Chinantec-style	˘ ˙ ˉ ˊ	cv90=1

### Tone numbers

*This feature is not supported in TypeTuner Web.*

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	ᳵ ᳶ ᳷ ᳸ ᳹ ᳺ ᳻ ᳼ ᳽	cv91=0
Numbers	5 4 3 2 1 5 4 3 2 1	cv91=1

Hide tone contour staves

This feature is not supported in TypeTuner Web.

Affects: U+02E5 U+02E6 U+02E7 U+02E8 U+02E9 U+A712 U+A713 U+A714 U+A715 U+A716

Feature	Sample	Feature setting
Standard	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿(ᳵᳶ)	cv92=0
Hide staves	ᳵᳶ᳷᳸᳹ᳺ᳻᳼᳽᳾᳿(ᳵᳶ)	cv92=1

Numeral alternates

Subscript numerals

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039

Feature	Sample	Feature setting
Standard	0 1 2 3 4 5 6 7 8 9	subs=0
Subscript	0 1 2 3 4 5 6 7 8 9	subs=1

Superscript numerals

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039

Feature	Sample	Feature setting
Standard	0 1 2 3 4 5 6 7 8 9	sups=0
Superscript	0 1 2 3 4 5 6 7 8 9	sups=1

Automatic fractions

When activated this feature will automatically create fractions when numerals are separated by either the fraction slash (U+2044) or the solidus (U+002F). This feature is not supported in TypeTuner Web.

Affects: U+0030 U+0031 U+0032 U+0033 U+0034 U+0035 U+0036 U+0037 U+0038 U+0039 U+002F U+2044

Feature	Sample	Feature setting
Standard (none)	1⁄2 456⁄789 1/2 456/789	frac=0
Automatic	1⁄2 456⁄789 1⁄2 456⁄789	frac=1

0

Affects: U+0030 U+2070 U+2080 U+2152 U+2189

Feature	Sample	Feature setting
Standard	0 ⁰ ₀ ¼ ⅓	cv10=0
Slashed	0 ⁰ ₀ ¼ ⅓	cv10=1

# 1

Affects: U+0031 U+00B9 U+00BC U+00BD U+2081 U+2150 U+2151 U+2152 U+2153 U+2155 U+2159 U+215B

Feature	Sample	Feature setting
Standard	1 1 ¼ ½ ⅓ ⅔ ⅑ ⅒ ⅓ ⅔ ⅕ ⅖ ⅗ ⅘	cv01=0
No Base Serif	1 1 ¼ ½ ⅓ ⅔ ⅑ ⅒ ⅓ ⅔ ⅕ ⅖ ⅗ ⅘	cv01=1

# 4

Affects: U+0034 U+00BC U+00BE U+2074 U+2084 U+2158

Feature	Sample	Feature setting
Standard	4 ¼ ¾ ⁴⁄₄ ⁴⁄₅	cv04=0
Open	4 ¼ ¾ ⁴⁄₄ ⁴⁄₅	cv04=1

# 6 and 9

Affects: U+0036 U+0039 U+2076 U+2079 U+2086 U+2089 U+2151 U+2159 U+215A

Feature	Sample	Feature setting
Standard	6 9 ⁶⁹ ⁶⁹ ⅑ ⅒ ⅓ ⅔	cv06=0
Diagonal stem	6 9 ⁶⁹ ⁶⁹ ⅑ ⅒ ⅓ ⅔	cv06=1

# 7

Affects: U+0037 U+2077 U+2087 U+2150 U+215E

Feature	Sample	Feature setting
Standard	7 7 ⅔ ⅗ ⅘	cv07=0
Barred	7 7 ⅔ ⅗ ⅘	cv07=1

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