

Step	Block (USFM)	Block (USX)	Tree	Table
Source Data	USFM Files	USX Files	Clear.Bible syntax trees (Hebrew)	uW translation notes
Pre-Processing			XSLT to - filter content - branch - leaf - add calculated fields?	Add column type info
Import Format	USFM	USX	Proskomma Tree XML Nested branch and tree elements with content as child elements Maybe #level	Header row Column type row Data rows
Pre-Succinct Processing	Lex whole document with a single regex	Lex using SAX	Use XSLT to flatten tree and calculate forward reference offsets	Generate per-cell records with row/col info and index of next row for col #0
Pre-Succinct Format	Item JSON		Proskomma Tree Record XML	Proskomma Table Record JSON (Flat array of cell objects)
Make Succinct	For each item, push one succinct structure record plus n content block/items plus n tokens		Use SAX parser – for each PTRX record, push one succinct structure record plus n content block/items plus n tokens	For each PTRX record, push one succinct structure record plus n content block/items plus n tokens
Succinct Data	Token, graft and scope items for each paragraph of content. Scopes in other typed arrays for blockScope, includedScopes, openScopes. Items reference multiple enums of counted strings.		Structure in one typed array per tree. Tokens in (maybe pre-existing) enum as counted strings. String content as block/item range in (maybe pre-existing) blocks (one block per row/tree)	Structure in one typed array per table. Tokens in (maybe pre-existing) enum as counted strings. String content as block/item range in (maybe pre-existing) blocks (one block per row)
Post-Processing	Tidy and filter items, blocks and sequences Generate chapter and chapterVerse indexes Optionally load verse mapping information			