# SignPuddle 3: Front and Back

Presented at the SignWriting Symposium
on July 21st, 2016

by Stephen E Slevinski Jr
in association with the Center for Sutton Movement Writing

http://www.signwriting.org/symposium/presentation0062.html

Connecting the world of SignWriters
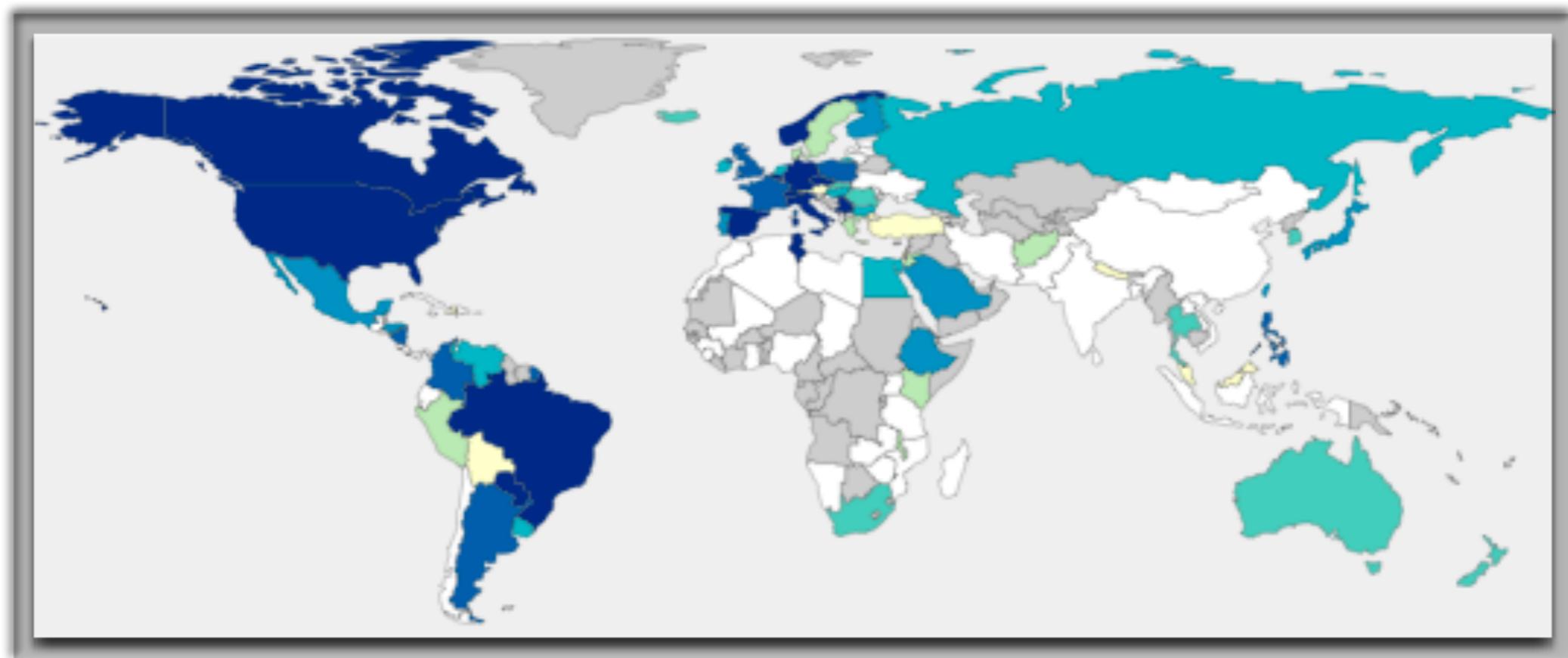
Built on the SignWriting Stack

Formal SignWriting (FSW)				
International SignWriting Alphabet 2010 (ISWA 2010)				
Regular Expressions (Regex)				
JavaScript (JS)				
Cascading Style Sheets (CSS)				
Scalar Vector Graphics (SVG)				
TrueType Fonts (TTF)				
Explorer	FireFox	Chrome	Safari	Opera
Windows	Linux	Android	OS X	iOS

SignPuddle Online Data

Dozens of sign languages with millions of signs.

SignPuddle Online is currently running SignPuddle 2. Every night, the SignPuddle Online data is imported into SignPuddle 3. SignPuddles 3 is actively being developed. The SignPuddle 3 data is primarily read-only.

The SignPuddle Online Data is also available in SignMaker.

http://signbank.org/signmaker.html

SignPuddle 3

The next iteration of SignPuddle Online uses two separate pieces of software: the front end for the users and the back end for the developers.

SignPuddle 3: Front

**SignPuddle 3
Front End Preview**

http://signbank.org/signpuddle3
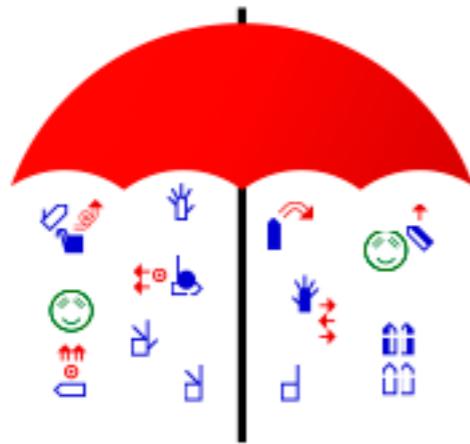
- Formal SignWriting
- HTML
- SVG
- CSS
- TrueType Fonts
- JavaScript

http://signpuddle.org

Flag Listing

http://signbank.org/signpuddle3/#/flags

Languages by Country Code

American Sign Language
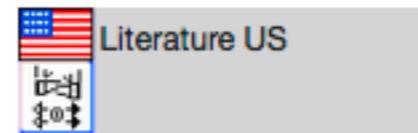
Dictionary US | Literature US | Encyclopedia US
ASL Bible Books NLT | ASL Bible Books Shores Deaf Church | ASL Bible Dictionary
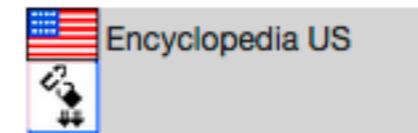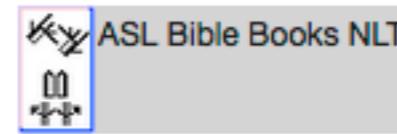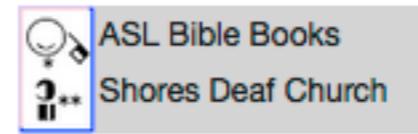
http://signbank.org/signpuddle3/#/flags/US
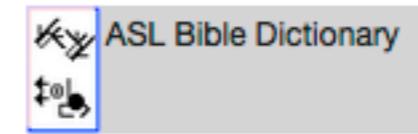
Dictionary by Language Code
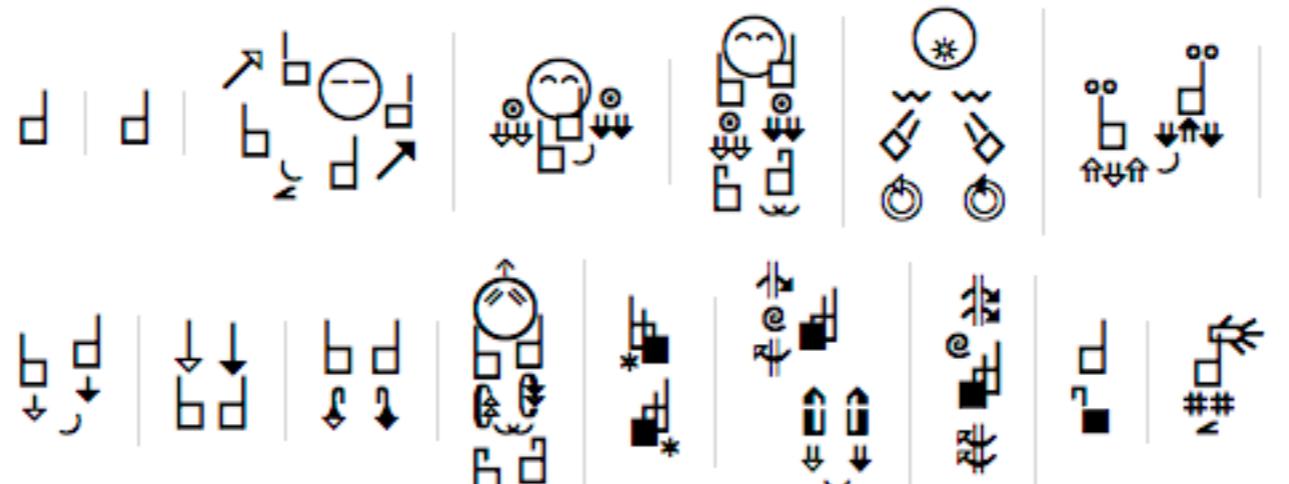
Puddle Entry Information

cry,weep
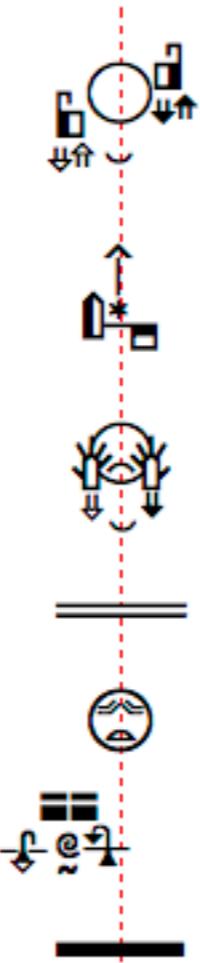
http://signbank.org/signpuddle3/#/puddle/ase/5292

SignPuddle 3: Back

Index   Guide   Example   Run   GitHub

SignPuddle Network

Developer API

swserver, v1.3.0 May 2nd, 2016

http://signpuddle.net

- HTTP Resources
- HTTP Methods
- HTTP Responses
- JSON Data
- Formal SignWriting
- SVG with fonts
- SVG without fonts

https://github.com/Slevinski/swserver/

SignWriting Server

Access HTTP Resources

- Tools for display and searching
- Shared repository of user data with security

Communicate using HTTP methods

- Interact with HTTP Resources through a URL
- Use methods of GET, PUT, POST, and Delete

Receive HTTP Responses

- Returns data in FSW, SVG, and JSON
- User security, paging, and rate limiting may apply

API Blueprint

API Development Standard

- https://apiblueprint.org/
- Markdown text file
- http://signpuddle.net/Guide.md

HTML Developer Guide

- Automatic generation with "hiro"
- http://signpuddle.net/Guide.html

SignWriting Server Examples

Example API Calls as JSON

- http://signpuddle.net/Example.json

Documented API Responses

- http://signpuddle.net/Example.md

- http://signpuddle.net/Example.html

Run Examples Live

- http://signpuddle.net/Run.html

Server Section
API Calls for Files

Call Guide

- signpuddle.net/Guide.html#server

Documented Responses

- signpuddle.net/Example.html#server

Run Examples Live

- signpuddle.net/Run.html#server

SVG Section
API Calls for Images

Call Guide

- signpuddle.net/Guide.html#svg

Documented Responses

- signpuddle.net/Example.html#svg

Run Examples Live

- signpuddle.net/Run.html#svg

Regex Section
API Calls for Regular Expressions

Call Guide

- signpuddle.net/Guide.html#regex

Documented Responses

- signpuddle.net/Example.html#regex

Run Examples Live

- signpuddle.net/Run.html#regex

World Section
API Calls for Countries and Languages

Call Guide

- signpuddle.net/Guide.html#world

Documented Responses

- signpuddle.net/Example.html#world

Run Examples Live

- signpuddle.net/Run.html#world

Puddle Section
API Calls for Signs and Entries

Call Guide

- signpuddle.net/Guide.html#puddle

Documented Responses

- signpuddle.net/Example.html#puddle

Run Examples Live

- signpuddle.net/Run.html#puddle

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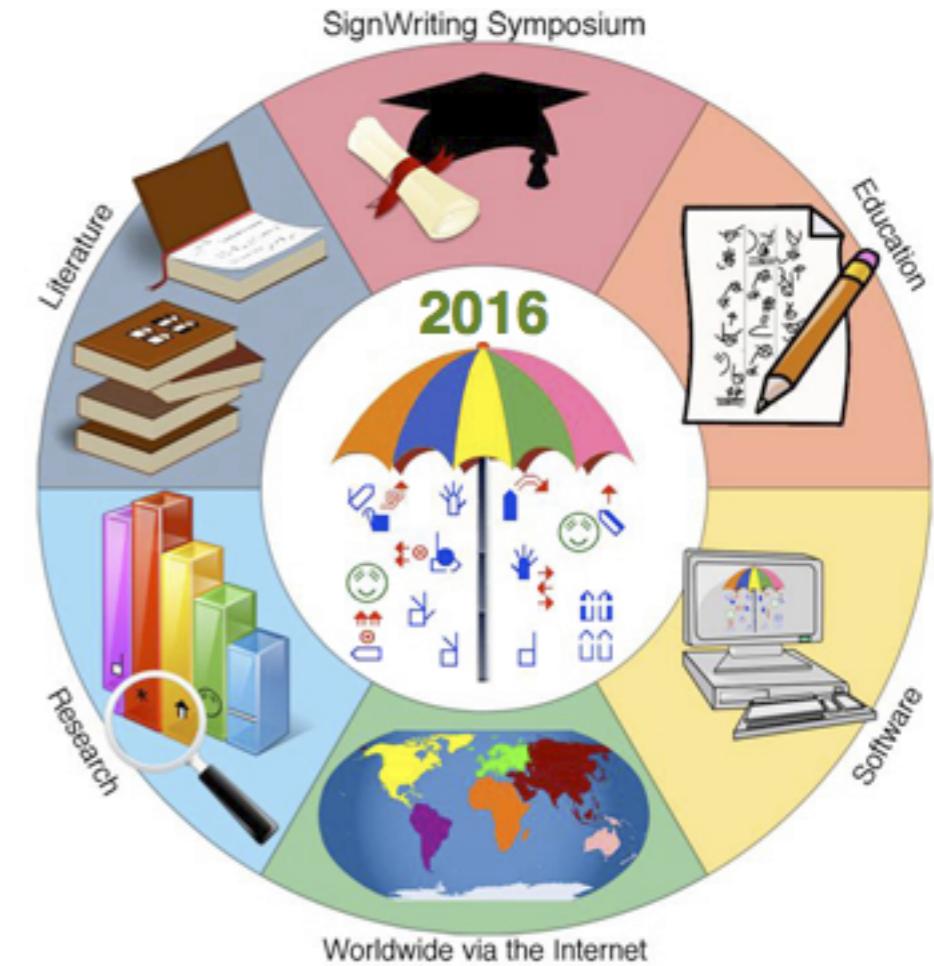
Thanks for viewing.

Feedback, comments, and questions are welcomed.

http://signpuddle.com

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