IMPROVING THE HUMAN VECTOR

With Emoji

@vbatts
$> \texttt{finger $(whoami)$}

\begin{align*}
\text{Login:} & \quad \text{vbatts} & \quad \text{Name:} & \quad \text{Vincent Batts} \\
\text{Directory:} & \quad /\text{home/vbatts} & \quad \text{Shell:} & \quad /\text{bin/bash}
\end{align*}

Such mail.

\textbf{Plan:}

\texttt{OHMAN}

$> \texttt{id -Gn}$

devel opencontainers docker appc redhat golang slackware
OVERVIEW

Ridiculousness
OVERVIEW

Ridiculousness

Emoji
OVERVIEW

Ridiculousness

Emoji

More Ridiculousness
OVERVIEW

Ridiculousness

Emoji

More Ridiculousness

Profundity of it all
[vbatte@hack] ~$ ssh infra0
The authenticity of host 'infra0 (192.168.0.23)' can't be established.
Are you sure you want to continue connecting (yes/no)?
RIDICULOUSNESS

(source)
[vbatts@hack] {master} ~$ ssh infra0
The authenticity of host 'infra0 (192.168.0.23)' can't be established.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'infra0,192.168.0.23' (ECDSA) to the list of known hosts.
<table>
<thead>
<tr>
<th>File Name</th>
<th>Size</th>
<th>Date/Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>CentOS-7-x86_64-LiveGNOME-1804.torrent</td>
<td>52K</td>
<td>11-May-2018 11:43</td>
</tr>
<tr>
<td>CentOS-7-x86_64-LiveKDE-1804.iso</td>
<td>1.8G</td>
<td>02-May-2018 14:28</td>
</tr>
<tr>
<td>CentOS-7-x86_64-LiveKDE-1804.torrent</td>
<td>71K</td>
<td>11-May-2018 11:43</td>
</tr>
<tr>
<td>CentOS-7-x86_64-Minimal-1804.iso</td>
<td>906M</td>
<td>03-May-2018 17:07</td>
</tr>
<tr>
<td>CentOS-7-x86_64-Minimal-1804.torrent</td>
<td>36K</td>
<td>11-May-2018 11:43</td>
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<tr>
<td>CentOS-7-x86_64-NetInstall-1804.iso</td>
<td>495M</td>
<td>03-May-2018 16:34</td>
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<tr>
<td>CentOS-7-x86_64-NetInstall-1804.torrent</td>
<td>20K</td>
<td>11-May-2018 11:43</td>
</tr>
<tr>
<td>sha1sum.txt</td>
<td>454</td>
<td>09-May-2018 16:02</td>
</tr>
<tr>
<td>sha1sum.txt.asc</td>
<td>1.3K</td>
<td>11-May-2018 11:12</td>
</tr>
<tr>
<td>sha256sum.txt</td>
<td>598</td>
<td>09-May-2018 15:59</td>
</tr>
<tr>
<td>sha256sum.txt.asc</td>
<td>1.4K</td>
<td>11-May-2018 11:12</td>
</tr>
</tbody>
</table>
Like it or Hate it, it's a form of communication
Like it or Hate it, it's a form of communication

They're for Humans, because machines have checksums handled
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Are you sure you want to continue connecting (yes/no)?
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Are you sure you want to continue connecting (yes/no)?
THE POSSIBILITIES!

- Container Image ID and Digests
- Messanger fingerprints
- ssh fingerprint
- GPG fingerprint
- gcc BuildID
- git commit
- keybase.io
If you wish to verify the security of your encryption with Vincent Batts, compare the number above with the number on their device. Alternatively, you can scan the code on their phone, or ask them to scan your code. Learn more.
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f0d758a (pr/30) emoji: adding a helper to parse a hex string into codepoint
901f45f (pr/29) emoji: generate the list.md
b3393a6 emoji: the URL needs to be lowercase to work
a1c34a4 (pr/28) emoji: update spec for combination unicode
f0d758a (pr/30) **emoji:** adding a helper to parse a hex string into codepoint
901f45f (pr/29) **emoji:** generate the list.md
b3393a6 **emoji:** the URL needs to be lowercase to work
a1c34a4 (pr/28) **emoji:** update spec *for* combination unicode
$ file `realpath /lib64/libc.so.6`
/usr/lib64/libc-2.27.so: ELF 64-bit LSB shared object, x86-64, version 1 (GNU/Linux),
dynamically linked, interpreter /lib64/ld-linux-x86-64.so.2,
BuildID[sha1]=4677f12c31fa6c18c9925096f32e71afd4c71327, for GNU/Linux 3.2.0, not strippe
$ file `realpath /lib64/libc.so.6`
/usr/lib64/libc-2.27.so: ELF 64-bit LSB shared object, x86-64, version 1 (GNU/Linux), dynamically linked, interpreter /lib64/ld-linux-x86-64.so.2, BuildID[sha1]=4677f12c31fa6c18c9925096f32e71afd4c71327, for GNU/Linux 3.2.0, not strip

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CONTAINER DIGESTS!

$> go run main.go
flagstate:latest (id c3a66c787477) <none>
ubuntu:latest (id 16508e5c265d) sha256:
jupyter/tensorflow-notebook:latest (id 590112b8736d) sha256:
fedora:latest (id c3f540d72df) sha256:
as_dashboard:latest (id b9c0f85e85f9) <none>
minio/minio:latest (id 74fd72a2f4a) sha256:
postgres:latest (id 67e0c8a2f066) sha256:
centos:latest (id 5182e96772b9) sha256:
alpine:latest (id 11c0b38bc3c) sha256:
gobuffalo/buffalo:v0.12.3 (id 9a358044c292) sha256:

(source)
MORE RIDICULOUSNESS
MORE RIDICULOUSNESS

emojisum
MORE RIDICULOUSNESS

emojisum

A curated list of 256 emojis that are not entirely similar. Using http://www.webpagefx.com/tools/emoji-cheat-sheet/ and http://www.unicode.org/emoji/charts/full-emoji-list.html to compare them. With 256 as that is 8bit/1byte, and the hexadecimal output that is 2 hex characters.

So 2 hex positions are 1 emoji! Would you rather compare 60 hexadecimal characters or only 30 emoji?! 😱

Specification

For information on the draft for broader practice, see the draft. Perma-URL:

- Draft http://emoji.thisco.de/draft/
- JSON doc http://emoji.thisco.de/draft/emojimap.json

Tool

build
$> go get github.com/emojisum/emojisum
$> sha1sum main.go
8c62923eb6c00525f00ea94a6a645c1fa6b140c6 main.go
$> sha1sum main.go | emojisum -p
8c62923eb6c00525f00ea94a6a645c1fa6b140c6 main.go
:nail_care::hear_no_evil::o::dvd::rooster::shell::angel::cherries::unlock::banana::princess::fire

$>

(Golang package)
THE PROFUNDITY HERE
This project in and of itself is utterly ridiculous
LESSON LEARNED
Don't take yourself too serious
LESSON LEARNED

Don't take yourself too serious

Open Source These Days
LESSON LEARNED

Don't take yourself too serious

Open Source These Days

Take a deep breath
NEW THOUGHTS ON STATUS QUO
NEW THOUGHTS ON STATUS QUO

look for "accepted norms" with weak assumptions
DON'T TAKE YOURSELF TOO SERIOUS

NIH vs. weekend-hack-is-now-your-precious
DON'T TAKE YOURSELF TOO SERIOUS

NIH vs. weekend-hack-is-now-your-precious

Laugh at poor choices,
otherwise things get too rigid
OPEN SOURCE THESE DAYS
"Business" and VC makes for urgent decisions
OPEN SOURCE THESE DAYS

"Business" and VC makes for urgent decisions

Under Commit, and Over Deliver
"Business" and VC makes for urgent decisions

Under Commit, and Over Deliver
(not the inverse)
"Business" and VC makes for urgent decisions

Under Commit, and Over Deliver
(not the inverse)
(please)
OPEN SOURCE THESE DAYS

Don't Be Hasty
TAKE A DEEP BREATH
TAKE A DEEP BREATH

toy with something unrelated and not critical
TAKE A DEEP BREATH

toy with something unrelated and not critical

learn a new language, or new algorithm, or new tech, or just have a break to approach regular challenges _differently_.
THANK YOU

Vincent Batts
vbatts@
github.com/vbatts/talks