

MONITOR THE UNMEASURABLE



CHEF



SRECon April 7, 2016

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Twitter: @sigje

#mtu_srecon





TECHNOLOGY OPTIONAL

date	1-1	team Meeting	TASKS	PROJECTS
1/4/2016	😊 ☺ 😊	🟢 🟩 🟠	○ □ 📄	🟦 🟥
1/11/2016	😊 ☺ 😊	🟢 🟩 🟩	○ 📄 📄	🟦 □
1/18/2016	😊 ☺ 😊	🟢 🟩 🟠	🟦 📄 📄	○ □
1/25/2016	😊 □ 😊	🟢 🟩 🟠	○ 📄 📄	🟦 🟥
2/1/2016	🟠 ☺ 😊	🟠 🟩 🟠	○ □ 📄	🟦 🟥
2/8/2016	😊 ☺ 😊	🟢 🟩 🟩	○ 📄 📄	🟦 □
2/15/2016	😊 ☺ 😊	🟢 🟩 🟩	🟦 📄 📄	○ 🟥
2/22/2016	😊 ☹️ 😊	🟢 🟩 🟩	○ 📄 📄	🟦 □
2/29/2016	😊 ☺ 😊	🟢 🟩 🟠	○ □ 📄	🟦 🟥

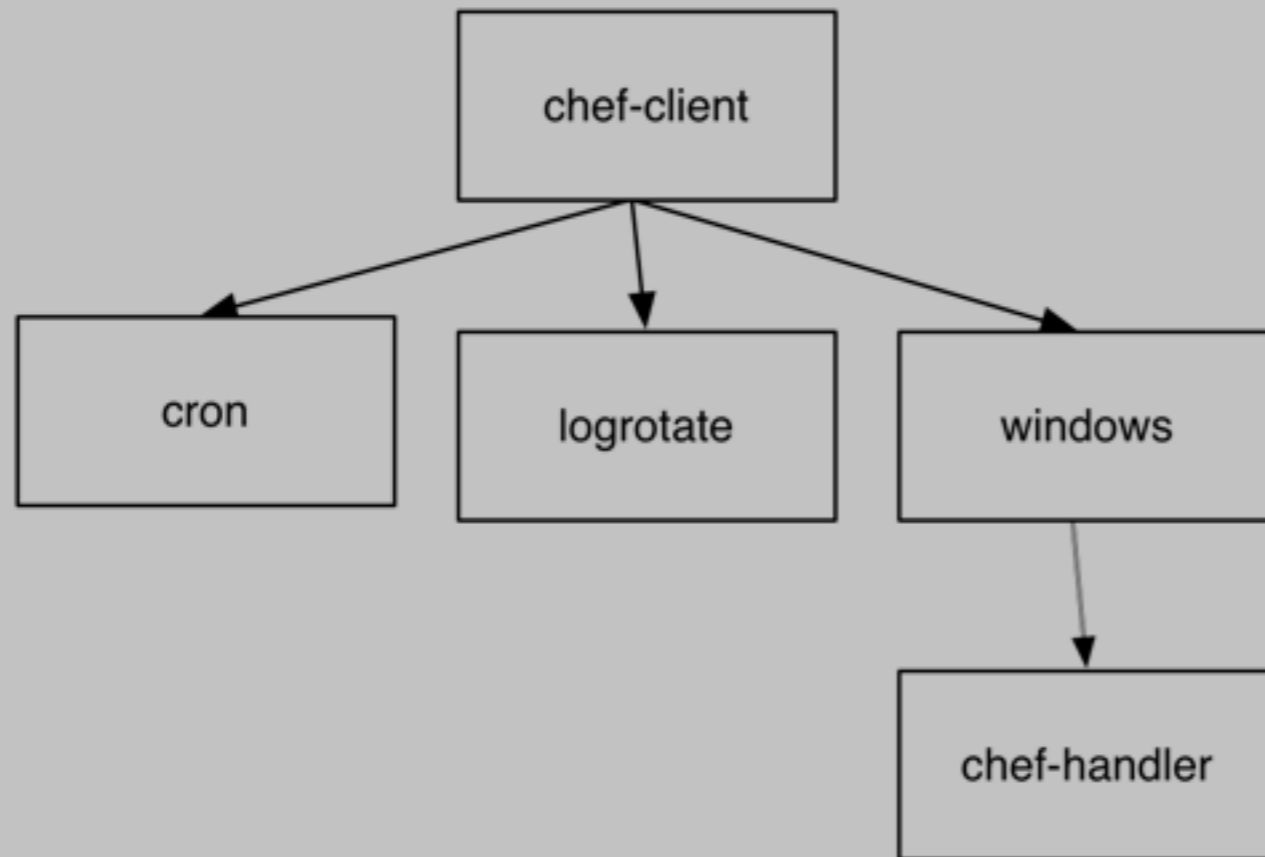
MONITOR THESE 3 TYPES OF SIGNALS.

- Technology
- Organization
- Process

MONITOR TECHNOLOGY SIGNALS

- Dependencies,
- Consumers to producers, and
- Value generation.

MONITOR DEPENDENCIES



left-pad

```
module.exports = leftpad;
function leftpad (str, len, ch) {
  str = String(str);
  var i = -1;
  if (!ch && ch !== 0) ch = ' ';
  len = len - str.length;
  while (++i < len) {
    str = ch + str;
  }
  return str;
}
```


MONITOR CONSUMERS TO PRODUCERS.

versionpress / versionpress

Watch 16 Star 259 Fork 7

Code Issues 82 Pull requests 1 Wiki Pulse Graphs

Git version control for WordPress <http://versionpress.net/>

2,160 commits

11 branches

18 releases

6 contributors

Branch: master

New pull request

New file

Upload files

Find file

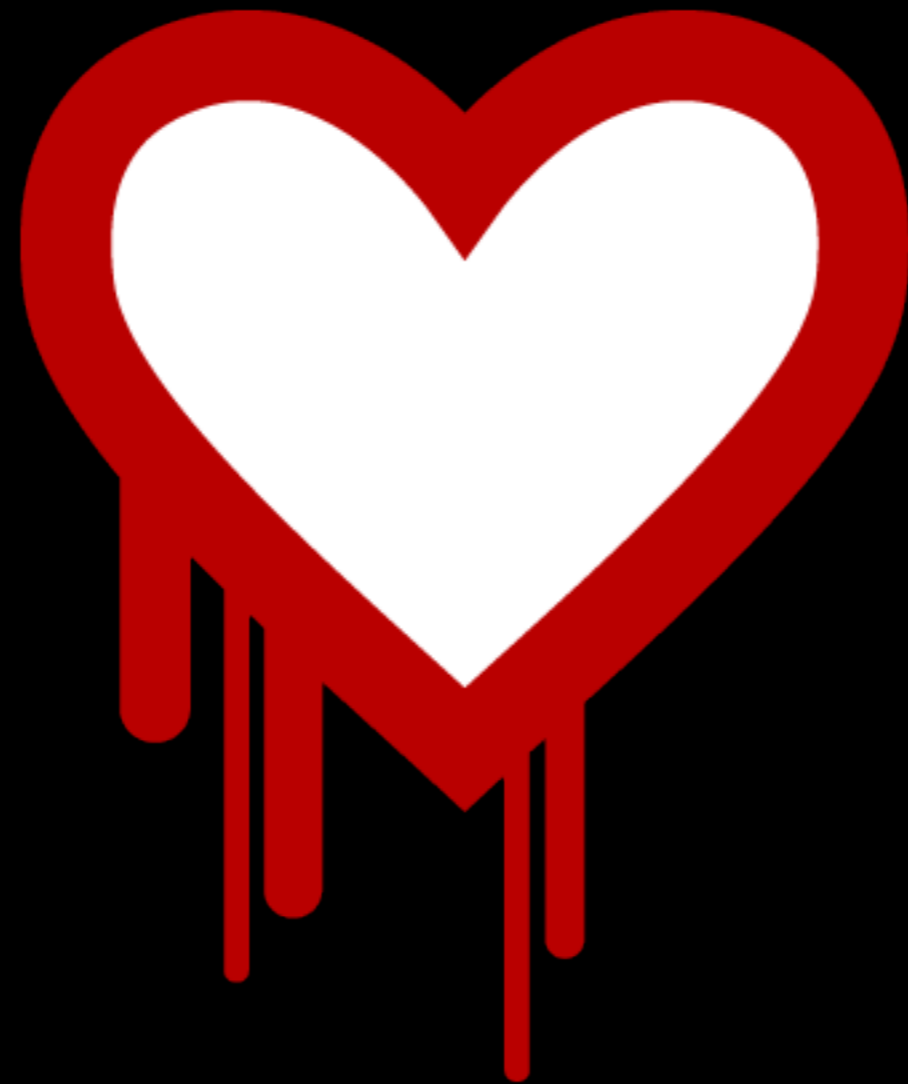
HTTPS

<https://github.com/versio>



Download ZIP

MONITOR CONSUMERS TO PRODUCERS.



MONITOR VALUE GENERATION.



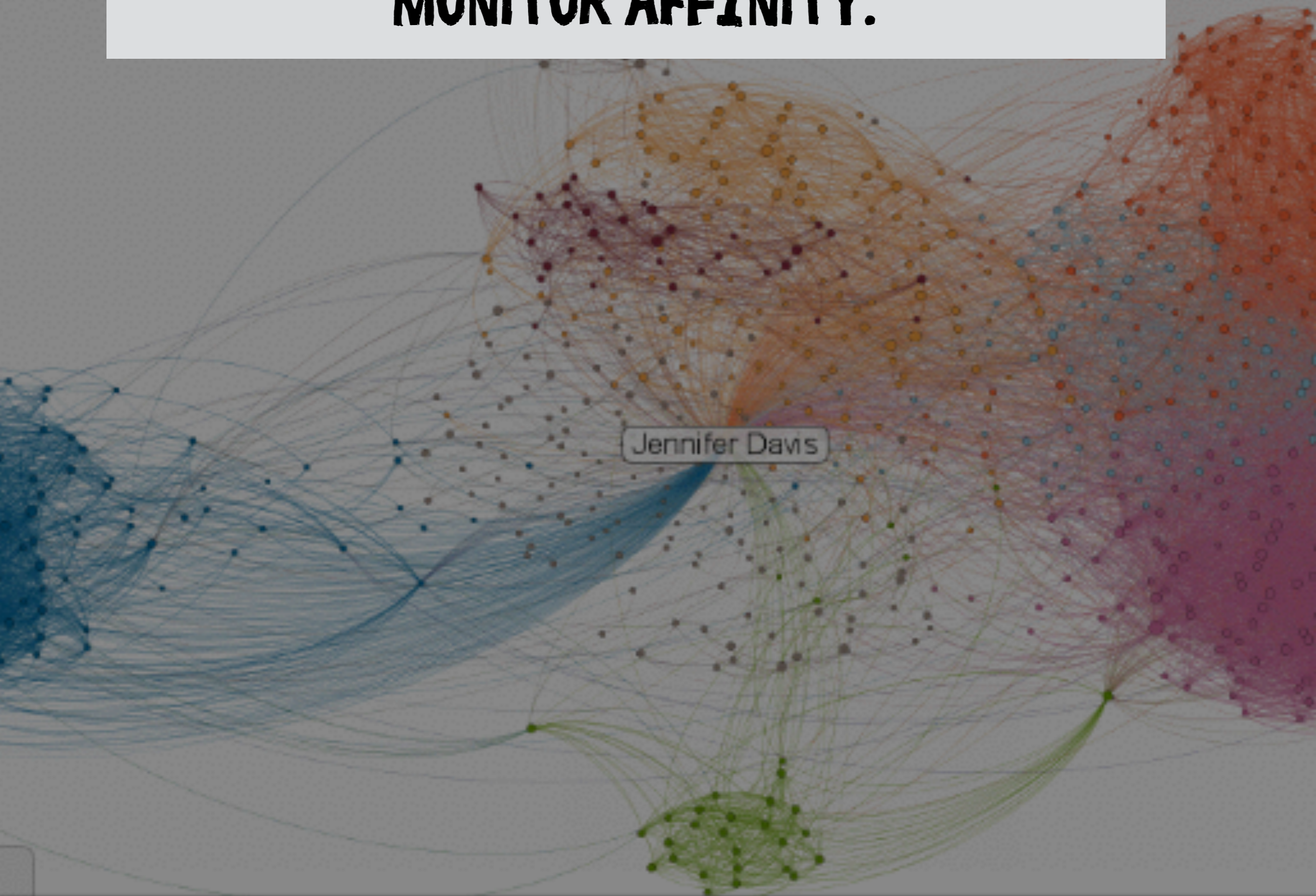
MONITOR ORGANIZATION SIGNALS

- Affinity,
- Single points of knowledge, and
- Burnout.

MONITOR AFFINITY.



MONITOR AFFINITY.



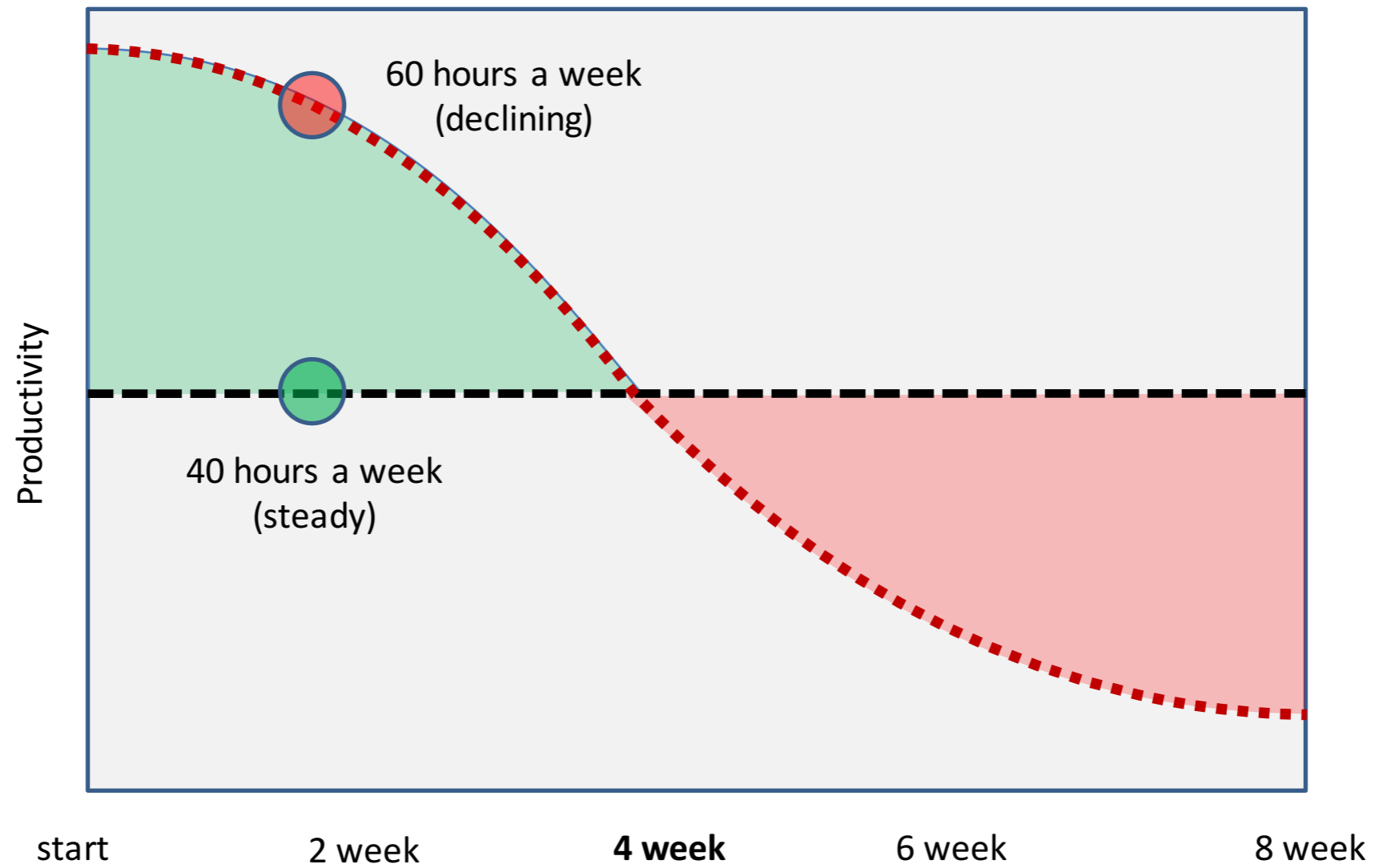
MONITOR SINGLE POINTS OF KNOWLEDGE.



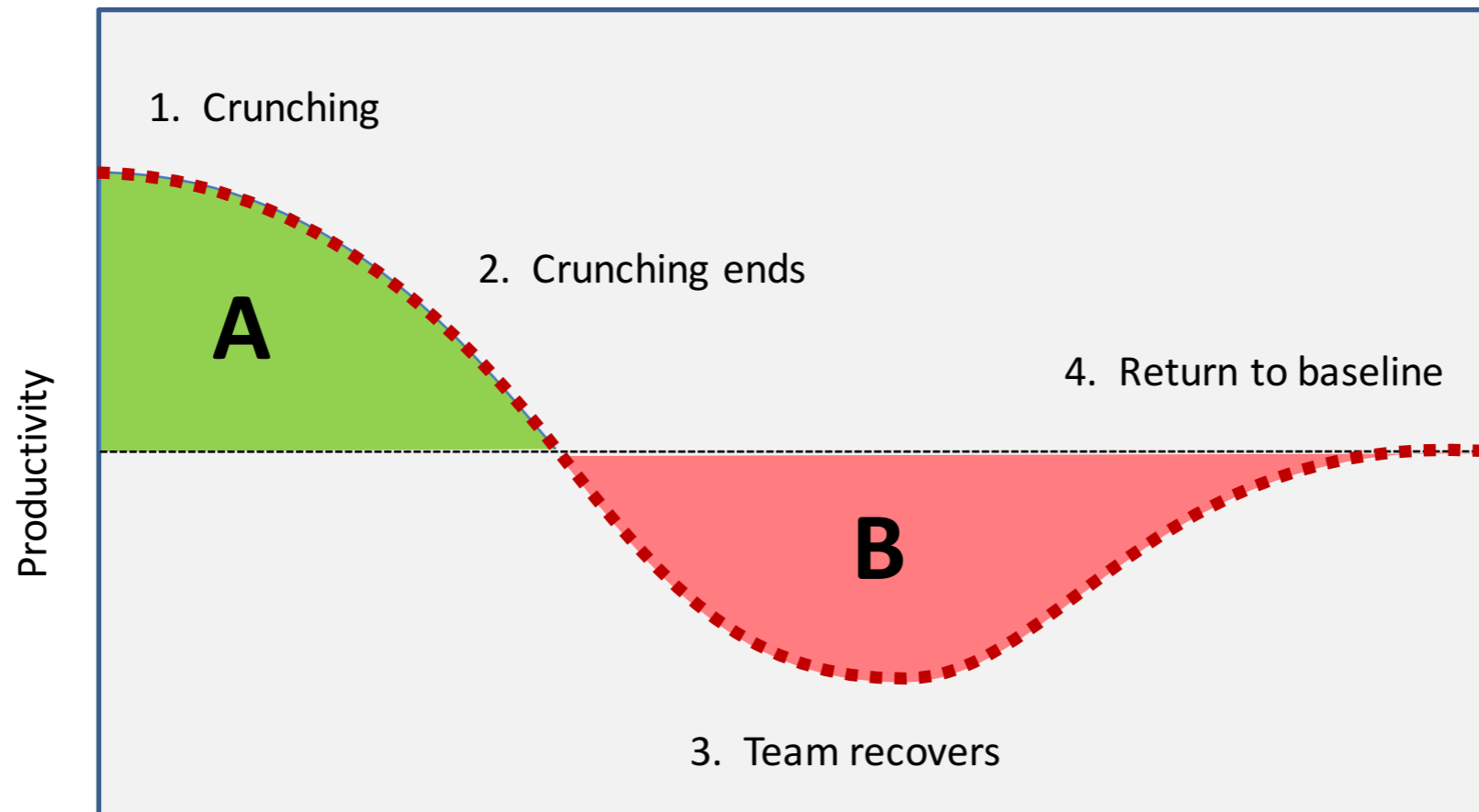
MONITOR BURNOUT.



Graphing productivity and overtime



Graphing recovery from crunch



Typically $A \leq B$

MONITOR PROCESS SIGNALS

- Excessive gating of processes,
- Life cycle of products,
- Hiring and Termination.

MONITOR EXCESSIVE GATING



SHADOW HR, MARKETING, IT



Image courtesy of Ryan McGuire by Gratisography/

Backlog 205

202 chef-cookbooks/database
Resource PostgreSQLDatabaseUser no longer has password method

691 chef-cookbooks/docker
`/etc/default/docker` and `/etc/init/docker.conf` post-start don't work well together

98 chef-cookbooks/homebrew
Update install_formulas.rb
Signed CLA

28 chef-cookbooks/aix
integration tests for aix cookbooks

27 chef-cookbooks/aix
Support for reboot and continue for chef?

97 chef-cookbooks/git
Updating OSX DMG download URL

96 chef-cookbooks/git
fix path to dmg for Mac OS X git distribution

17 chef-cookbooks/audit
Adding an interval check, if you don't want to run every time

Ready 1

405 chef-cookbooks/mysql
Only create a link if we know that mysql_install_db will be run
Signed CLA

In Progress 7

20 chef-cookbooks/audit
work with token and direct compliance server API
enhancement

35 chef-cookbooks/activemq
WIP: Rewrite ActiveMQ as a library cookbook
Signed CLA

34 chef-cookbooks/activemq
Create a wrapper for testing and switch to inspec
Signed CLA

4 chef-cookbooks/community_cookbook_docu...
Suggestions and updates from Nathen

134 chef-cookbooks/users
What's up with [:remove, :create] ?

33 chef-cookbooks/activemq
Rewrite as a library cookbooks
enhancement

31 chef-cookbooks/activemq
Dedicated user/group

Blocked 6

22 chef-cookbooks/erlang
esl-erlang or erlang?

20 chef-cookbooks/erlang
cannot use user's own erlang package

94 chef-cookbooks/git
No resource or method named `git_...`
`Chef::Recipe` "package"
Blocked

91 chef-cookbooks/users
Add support for chef-vault encrypted

407 chef-cookbooks/mysql
Fix apparmor blocking writes to non tmp_dirs

184 chef-cookbooks/database
Examples for postgresql connection misleading

MONITOR SLC PROCESSES.

npm unpublish software issue

MONITOR HIRING AND TERMINATION PROCESS.

MONITOR THESE 3 SIGNALS

- Technology
- Organization
- Process





THANKS!
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