ThoughtWorks®

BUILD YOUR
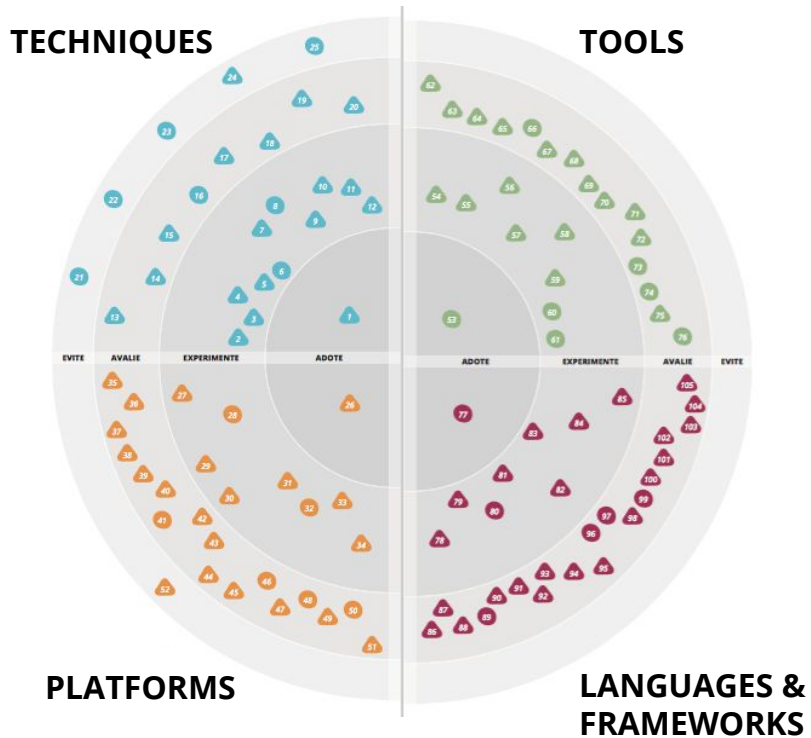# OWN RADAR

Set your tech priorities

What is the **THOUGHTWORKS TECH RADAR**

- A tool for staying abreast of trends

- A guide to managing technology adoption

- Based on TW's real-world global project experience

- Created by the TAB - Technology Advisory Board (a group of technologists selected by our CTO)

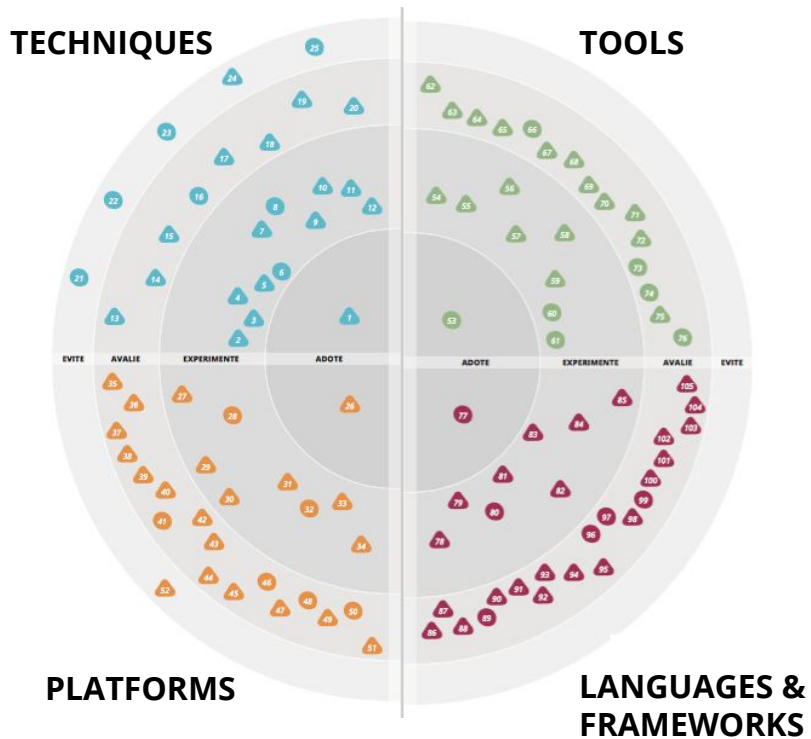- Released every 6 months (or so)

THE RADAR AT A GLANCE

TECHNIQUES

TOOLS

PLATFORMS

LANGUAGES & FRAMEWORKS

The Radar tracks interesting things called **blips**

Blips are organized in Quadrants and Rings

Quadrants represent different kinds of blips

Rings indicate what stage in an adoption lifecycle we think they should be in

THE RADAR AT A GLANCE

TECHNIQUES

TOOLS

PLATFORMS

LANGUAGES & FRAMEWORKS

1 ADOPT
We feel strongly that the industry should be adopting these items. We use them when appropriate on our projects.

2 TRIAL
Worth pursuing. It is important to understand how to build up this capability. Enterprises should try this technology on a project that can handle the risk.

3 ASSESS
Worth exploring with the goal of understanding how it will affect your enterprise.

4 HOLD
Proceed with caution.

EXAMPLE: TECH RADAR VOL. 17

TECHNIQUES

ADOPT
1. Lightweight Architecture Decision Records

TRIAL
2. Applying product management to internal platforms *NEW*
3. Architectural fitness function *NEW*
4. Autonomous bubble pattern *NEW*
5. Chaos Engineering *NEW*
6. Decoupling secret management from source code
7. DesignOps *NEW*
8. Legacy in a box
9. Micro frontends
10. Pipelines for infrastructure as code *NEW*
11. Serverless architecture
12. TDDing containers *NEW*

ASSESS
13. Algorithmic IT operations *NEW*
14. Ethereum for decentralized applications *NEW*
15. Event streaming as the source of truth *NEW*
16. Platform engineering product teams
17. Polycloud *NEW*
18. Service mesh *NEW*
19. Sidecars for endpoint security *NEW*
20. The three Rs of security *NEW*

HOLD
21. A single CI instance for all teams
22. CI theatre
23. Enterprise-wide integration test environments
24. Recreating ESB antipatterns with Kafka *NEW*
25. Spec-based codegen

PLATFORMS

ADOPT
26. Kubernetes

TRIAL
27. .NET Core
28. AWS Device Farm
29. Flood IO *NEW*
30. Google Cloud Platform *NEW*
31. Keycloak
32. OpenTracing
33. Unity beyond gaming
34. WeChat *NEW*

ASSESS
35. Azure Service Fabric *NEW*
36. Cloud Spanner *NEW*
37. Corda *NEW*
38. Cosmos DB *NEW*
39. DialogFlow
40. GKE *NEW*
41. Hyperledger
42. Kafka Streams
43. Language Server Protocol *NEW*
44. LoRaWAN *NEW*
45. MapD *NEW*
46. Mosquitto
47. Netlify *NEW*
48. PlatformIO *NEW*
49. TensorFlow Serving *NEW*
50. Voice platforms
51. Windows Containers *NEW*

HOLD
52. Overambitious API gateways

TOOLS

ADOPT
53. fastlane

TRIAL
54. Buildkite *NEW*
55. CircleCI *NEW*
56. gopass *NEW*
57. Headless Chrome for front-end test *NEW*
58. jsoniter *NEW*
59. Prometheus
60. Scikit-learn
61. Serverless Framework

ASSESS
62. Apex *NEW*
63. assertj-swagger *NEW*
64. Cypress *NEW*
65. Flow *NEW*
66. InSpec
67. Jupyter *NEW*
68. Kong API Gateway *NEW*
69. kops *NEW*
70. Lighthouse *NEW*
71. Renderton *NEW*
72. Sonobuoy *NEW*
73. spaCy
74. Spinnaker
75. Spring Cloud Contract *NEW*
76. Yarn

HOLD

LANGUAGES & FRAMEWORKS

ADOPT
77. Python 3

TRIAL
78. Angular
79. AssertJ *NEW*
80. Auto
81. CSS Grid Layout *NEW*
82. CSS Modules *NEW*
83. Jest *NEW*
84. Kotlin
85. Spring Cloud

ASSESS
86. Android Architecture Components *NEW*
87. ARKit/ARCore *NEW*
88. Atlas and BeeHive *NEW*
89. Caffe
90. Clara rules *NEW*
91. CSS-in-JS *NEW*
92. Digdag *NEW*
93. Druid *NEW*
94. ECharts *NEW*
95. Gobot *NEW*
96. Instana
97. Keras
98. LeakCanary *NEW*
99. PostCSS
100. PyTorch *NEW*
101. single-spa *NEW*
102. Solidity *NEW*
103. TensorFlow Mobile *NEW*
104. Truffle *NEW*
105. Weex *NEW*

HOLD

HOLD   ASSESS   TRIAL   ADOPT   ADOPT   TRIAL   ASSESS   HOLD

▲ New or changed
● No change

SET EXPECTATIONS
with the audience

- This is **not** the ThoughtWorks Tech Radar

- This is **not** input for the ThoughtWorks Tech Radar

- This is **different** from your personal Tech Radar

MORE INFORMATION

- [*Watch the BYOR explained by the TAB*](#)

- [*How we create the ThoughtWorks Tech Radar*](#), *by Camilla Crispim*

- [*BUILD YOUR OWN RADAR*](#) *(SaaS)*

- *RADAR* [*FAQ*](#)