

# Technology Radar Maps Guide - Alpha

Download from: <https://github.com/dwepdigitaltech/technology-radar-maps>

For a number of years, Thoughtworks - a technology consultancy firm - has pioneered technology radar maps to show the progress of the company digitally. These maps are a visualisation of the company's roadmap for use of technologies past, present and potentially future, and have become popular across the technology industry.

To aid the creation of these maps, this application converts .xlsx (Excel) files into technology radar maps using a JSON converter (<https://github.com/SheetJS/js-xlsx>) and an implementation of the d3 Javascript library (<https://github.com/mbostock/d3>).

Checked compatibility: Firefox 31+, Safari 7+, Chrome 31+, IE 10+.

These compatibilities are due to dependencies on SVG and HTML 5 File API.

A technology has 9 attributes:

- A. **Domain** - the generic heading encompasses many different technologies - e.g., hosting.
- B. **Area** - a specific area of technology - e.g., public cloud hosting.
- C. **Technology** name - e.g., DigitalOcean
- D. **Progress** - a choice of either: "assess", "trial", "deploy", "sunset" or "decommission"
- E. **Status** - *optional* - either "0" or "1" for alive (black) or discounted (grey). If left blank, the technology will appear alive (black).
- F. **Description** - *optional* - popup with extra information when mouseover a technology name.
- G. **Link** - *optional* - click on the technology name to open a new tab with a link.
- H. **Start** date - *optional* - the date the technology started that sector of progress.
- I. **End** date - *optional* - the date the technology should leave that sector of progress - if it does not leave by the date it will go red.

Notes:

1. Both the domains (A) and areas (B) must be unique names - e.g., you cannot have Hosting (A) with Public Cloud (B), and Infrastructure (A) with Public Cloud (B) - Public Cloud can only exist in one domain.

Example .xlsx

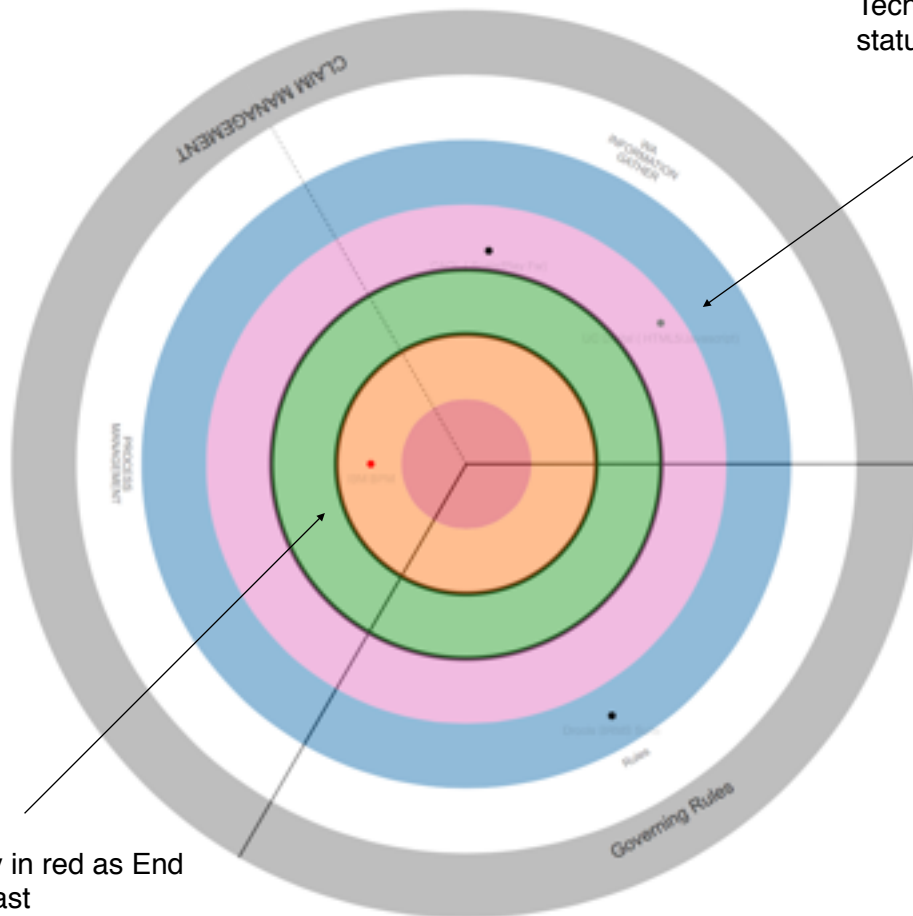
Domain	Area	Technology	Progress	Status	Description	Link	Start	End
Governing Rules	Rules	Drools BRMS Suite	Assess	0		<a href="http://drools.com">drools.com</a>		
CLAIM MANAGEMENT	PROCESS MANAGEMENT	IBM BPM	Sunset				12/1/14	12/9/14
CLAIM MANAGEMENT	WA INFORMATION GATHER	CAOL (Scala/Play Fw)	Trial	0	CAOL premier product			
CLAIM MANAGEMENT	WA INFORMATION GATHER	UC Digital (HTML5/Javascript)	Trial	1				

### Guide Radar Map Example

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Assess	Trial	Deploy	Sunset	Decommission

Technology greyed out as status was set to 1



Technology in red as End date has past

CLAIM MANAGEMENT	PROCESS MANAGEMENT	IBM BPM
CLAIM MANAGEMENT	WA INFORMATION GATHER	CAOL ( Scala/Play Fe)
CLAIM MANAGEMENT	WA INFORMATION GATHER	UC Digital ( HTML5/Javascript)
Governing Rules	Rules	Oracle BRMS Suite

## How to use

N.B., an example spreadsheet is included - you can copy and paste into it - otherwise the instructions below are from scratch.

1. Create a new Excel spreadsheet. Name the sheet "radar".
2. Name each column (case-sensitive): Domain, Area, Technology, Progress, Status, Description, Link, Start, End.
3. Create a row for each technology. You must fill in a domain, area, technology and the progress for each row - the other columns are optional.
4. As mentioned in the attributes, the progress must be Assess, Trial, Deploy, Sunset or Decommission.
5. Save the spreadsheet in the .xlsx format.
6. Open index.html, type a title for the radar map and upload the .xlsx file.
7. Automatically a radar map will be drawn. If you have less than 20 technologies the radar map will be 800px wide (A4), 21-50 technologies 1024 pixels (A3), 51 or more technologies 1600 pixels (A3).
8. A table with the technologies will also be displayed below the radar map - if you print this it will automatically appear on a separate page so that the radar map can easily be export as a graphic into a document.
9. Scroll over a technology to see a popup appear with more information (dates, link and description).

Known bugs:

1. When you scroll over technologies and then try to print the technologies appear opaque. Tactical fix - if you need to print, reload the page and print before scrolling over any technologies.