

Heatmap illustrating the proportion of devices running different Android API versions over time (Date) from August 2011 to February 2015. The Y-axis represents the API version (7 to 22), and the X-axis represents the Date. The color scale indicates the proportion of devices, ranging from 0.1 (light yellow) to 0.8 (dark red).

Key observations from the heatmap:

- API Level 10 Dominance:** API level 10 (Ice Cream Sandwich) is the most prevalent version throughout the entire period, consistently showing a high proportion (dark red/orange).
- Staggered Adoption:** New API levels are introduced in a staggered fashion, typically appearing around August of each year (e.g., API 11 in Aug 2011, API 12 in Aug 2012, etc.).
- Longevity of Older Versions:** Older API versions (e.g., 7, 8, 9, 10) maintain a significant proportion of the device base for extended periods, even as newer versions are released.
- Fragmentation:** The heatmap shows a high degree of fragmentation, with multiple API versions coexisting and holding significant proportions of the device base simultaneously.

