



HEXAGON

Release Guide
2020.0

Release Guide

LuciadMobile 2020.0

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About This Release

LuciadMobile 2020.0 provides developers with a contemporary work environment and experience. With an updated minimum Android version and API level and 64-bit support, LuciadMobile helps you get the most out of current Android devices.

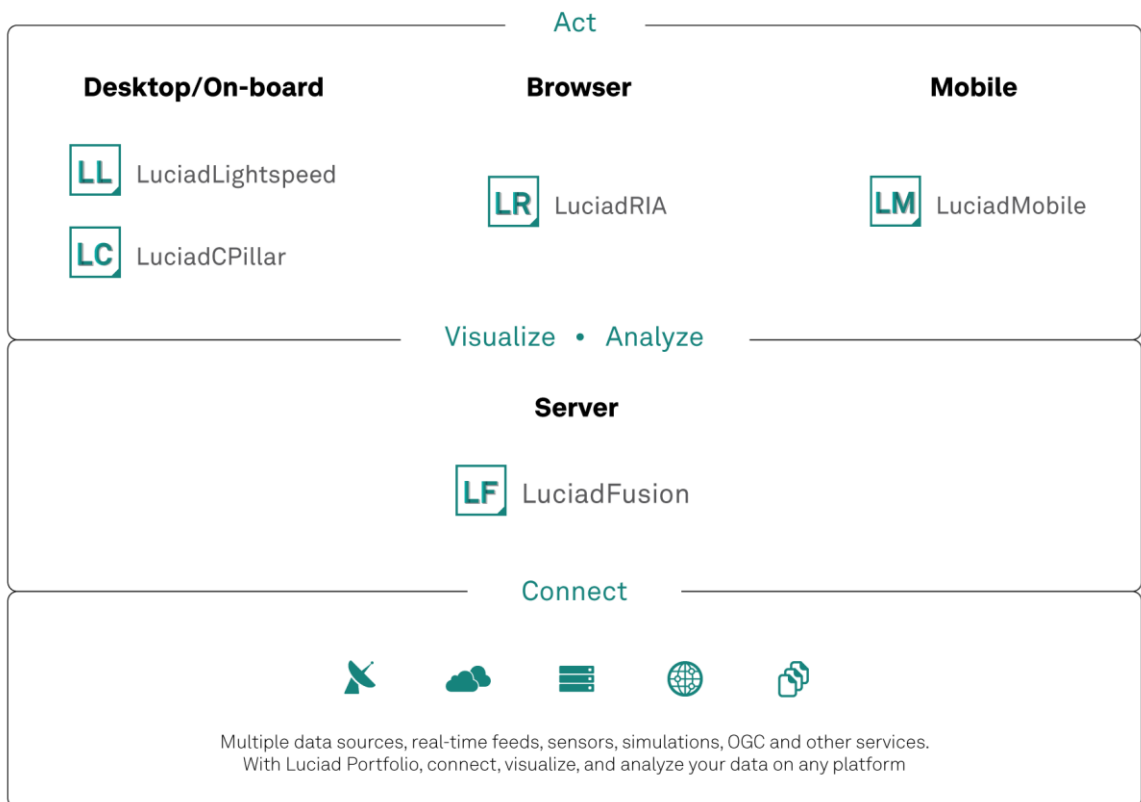


Figure 1 The Luciad Product Portfolio

Benefits of the New Features

Developer Experience: Modern API

Following evolutions in Android development, LuciadMobile 2020.0 raises the minimal supported Android version from 4.0 to 5.0. This corresponds with API level 21. With this, we ensure that your applications based on LuciadMobile can be developed and built with contemporary tools.

At the same time, LuciadMobile now supports 64-bit applications (AArch64). This allows you to get the most out of the newest and most powerful Android devices. The third-party libraries used for format support, like SQLite and ECW, have been upgraded accordingly.

Improved Visualization and Interaction

LuciadMobile 2020.0 features support for multi-levelled, non-power-of-two raster data

Generally, raster data is tiled using a power-of-two or square tiling scheme. This means that for each level, the next, more detailed level in a raster quadruples the number of tiles: one tile on level n is represented by 4 tiles on level $n+1$.

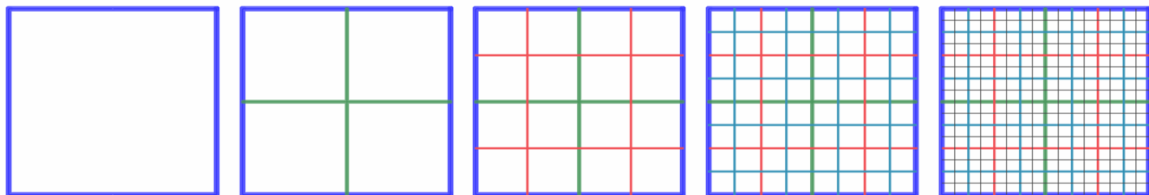


Figure 2 Illustration of a square tiling scheme

But this scheme does not always fit. If a raster data set is created by combining different scanned maps with different scales, for example, the square tiling scheme can no longer be enforced. In that case, the tiling scheme is referred to as non-power-of-two.

LuciadMobile now seamlessly supports non-power-of-two raster data sets and fluently changes between the different tiling schemes for different levels.



About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's Geospatial division creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 4.3bn USD. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB.



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