ENTERPRISE INTELLIGENCE IN THE FIELD
PALANTIR MOBILE

EXECUTIVE SUMMARY

The ever-increasing availability of mobile hardware, software and wireless technologies is creating new opportunities for intelligence, defense and law enforcement entities to expand their capabilities. Integrating a mobile component into an extensive intelligence infrastructure, however, can be a tricky proposition. The rapid innovation cycles of commercial mobile technology threaten to make custom IT solutions obsolete before they are ready for the field. On the other hand, most commerical mobile offerings are not engineered with the unique needs of the enterprise user in mind, and may be incapable of performing at the level necessary to ensure success in the most demanding operational environments.

Palantir Mobile is a complete enterprise-grade mobile software solution that is ready for deployment on Day One. Palantir Mobile was born during Hack Week, an annual event during which Palantir engineers are let loose for a week to be creative and prototype innovative ideas. After being selected as that year's Hack Week winner, Palantir Mobile was put into development, and expressly engineered to meet the needs of the intelligence, defense and law enforcement communities while simultaneously providing the greatest value for its customers.
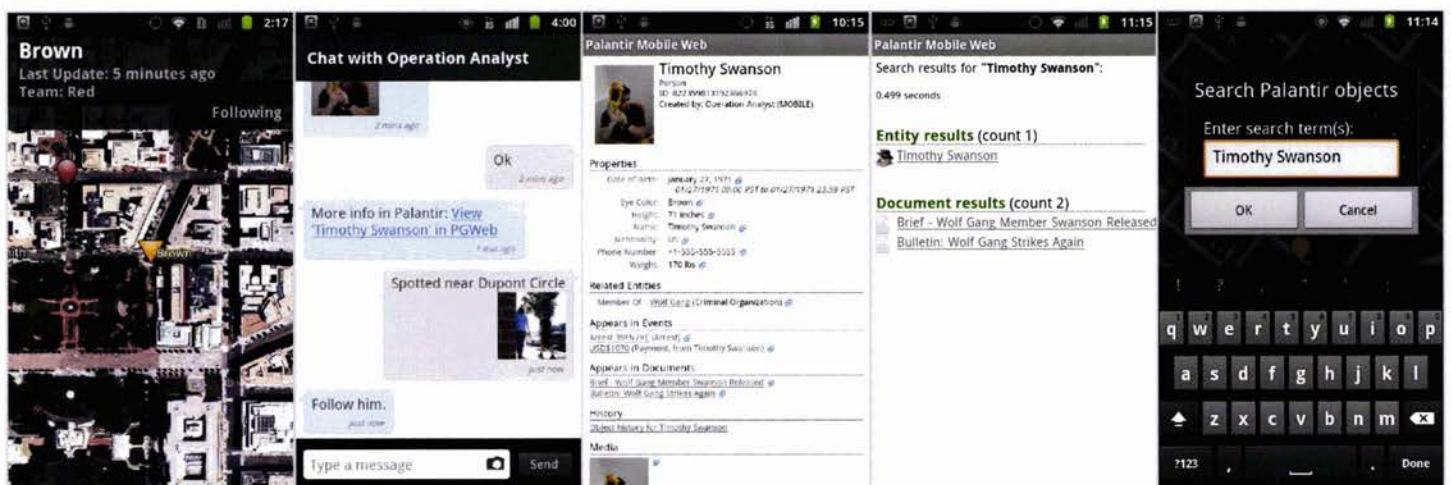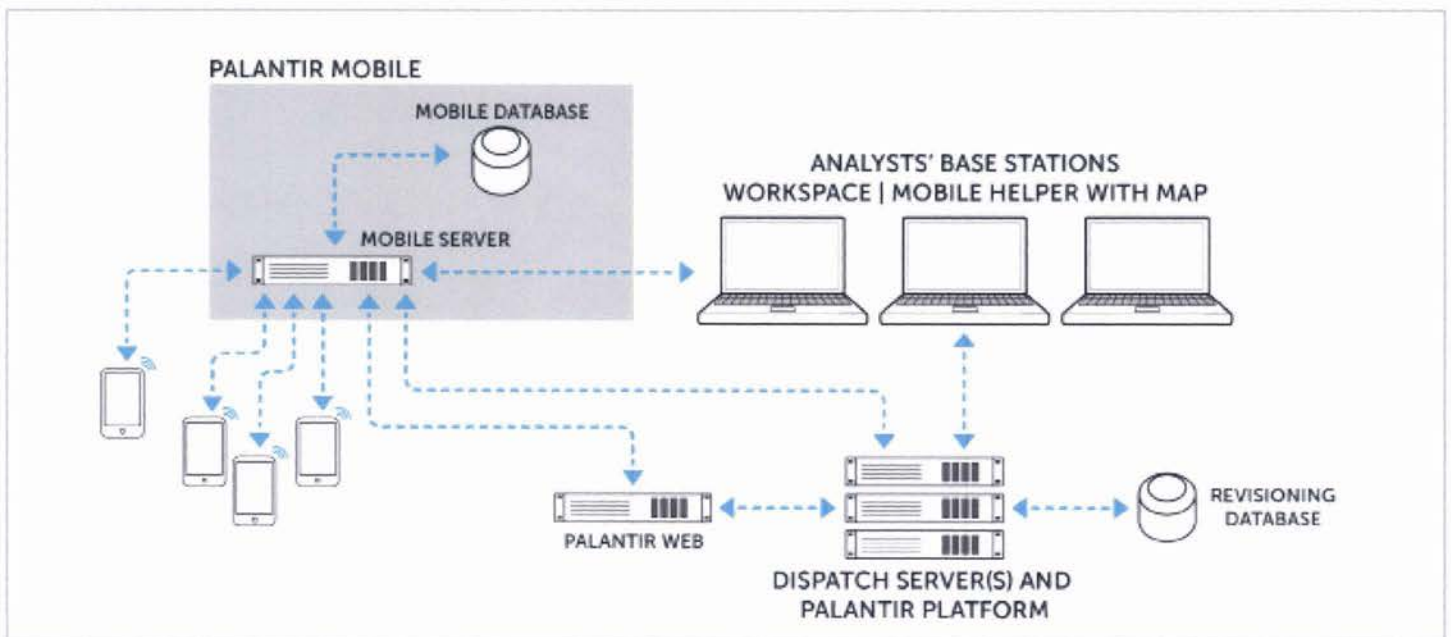

A SERIES OF SCREENSHOTS FROM A PALANTIR MOBILE-ENABLED DEVICE. From Left to Right: Blue Force Tracking, messaging between a mobile user and a base station analyst, a Palantir Object dossier, Palantir Mobile Web search results, and the Palantir Mobile search interface.

ENTERPRISE INTELLIGENCE GOES MOBILE

While enterprise-wide access to the most up-to-date intelligence is invaluable, the problems to which this intelligence is applied may vary significantly across functional and organizational levels. The technologies that are most useful in solving strategic problems are not likely to be the same technologies that are most useful in operational or tactical contexts.

A truly optimal mobile capability therefore does not merely replicate the functionality of enterprise software on a mobile device. It must introduce new functionalities that are optimized for the relevant tasks and that seamlessly integrate with the rest of the enterprise intelligence infrastructure. Collaboration across echelons should increase performance at each echelon, making every link in the chain more poweful and more efficient.

Palantir Mobile was engineered with these considerations in mind. It was developed not simply to create "Palantir on a smartphone," but to enable both mobile users in the field and analysts at base stations to achieve more than either could in isolation.

PALANTIR MOBILE
MOBILE DATABASE
MOBILE SERVER
ANALYSTS' BASE STATIONS
WORKSPACE | MOBILE HELPER WITH MAP
PALANTIR WEB
DISPATCH SERVER(S) AND PALANTIR PLATFORM
REVISIONING DATABASE

THE PALANTIR MOBILE SERVER ARCHITECTURE seamlessly links mobile devices with the full enterprise intelligence infrastructure.

SEAMLESS INTEGRATION WITH THE PALANTIR PLATFORM

Palantir Mobile is able to achieve this level of complementarity because it is built on top of the Palantir Platform. In contrast to software "tools," which are designed to perform a specific task or set of tasks, the Palantir Platform is composed of a host of next-generation front-end and back-end technologies that can be combined and recombined to perform a virtually unlimited range of intelligence-related tasks. Furthermore, because the Palantir Platform is open and extensible, there is a virtually inexhaustible list of additional capabilities that can be added, or "built on top" of the platform. Palantir Mobile is just such a capability.

Palantir Mobile enables real-time collaboration between commanders or analysts at operations centers or reachback facilities and operators or investigators in the field. From the Palantir Mobile application, users on the ground can search the entire repository of data integrated by the Palantir Platform, gaining access to information that has been enriched by the platform's robust search, discovery and analytic capabilities. The Mobile helper in the Palantir Workspace gives team leaders (at a Response Operation Center, for instance) the ability to monitor, coordinate, and communicate with field units equipped with Palantir Mobile devices. Palantir engineers built these capabilities without compromising on the security, privacy, and access control that are central to the Palantir Platform. All communications between the devices and the mobile server are secured with SSL and all devices can be remotely wiped, which are just two of the many features that address the demanding security needs in the wireless space.

Palantir Mobile works on commercially available networks and operational networks alike. During testing in the field with portable wireless networks (e.g., overhead, mesh) Palantir Mobile achieved ease of use and performance on par with US commercial providers.

SUPERIOR SITUATIONAL AWARENESS

Palantir Mobile comprises a number of different technologies that provide superior situational awareness for forward deployed teams and individuals by enabling the rapid two-way flow of information between mobile users and reachback support.

Blue Force Tracking in Palantir Mobile is powered in part by the GPS capabilities of commercially available smartphones, allowing analysts at base stations and mobile users in the field to share a continually updated map of the area of operations, including the current locations of all Palantir Mobile users.

Palantir Mobile also transforms the built-in cameras of commercially available smartphones into powerful instruments of intelligence gathering and dissemination. Using a custom-engineered text messaging capability, users in the field can send messages and images back to base stations where analysts can incorporate this new data into their investigations as it arrives. Users at base can respond quickly to requests for information from the field by pushing images out to mobile users. These combined capabilities make it easier to coordinate action across a host of different operational environments.
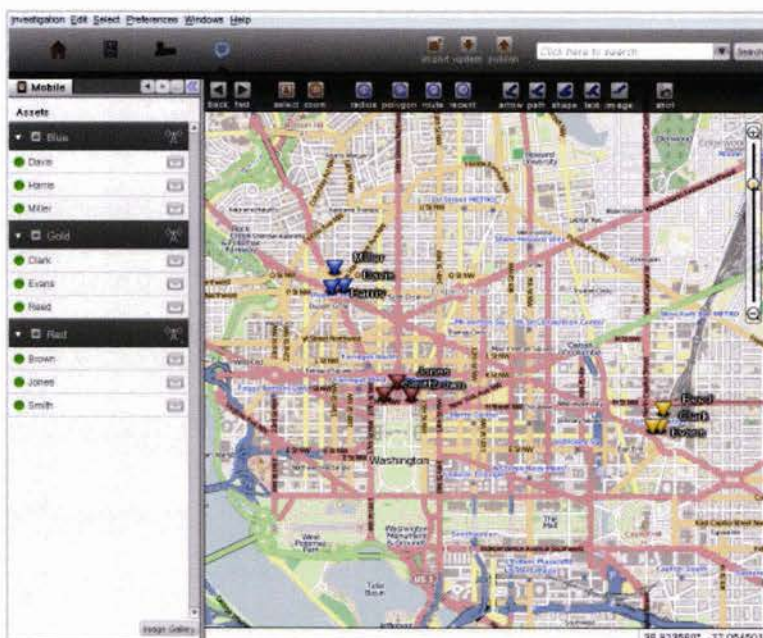
BLUE FORCE TRACKING in the Mobile Helper at a base station (left) and in the Palantir Mobile app (right). Users can track all mobile users, all members of a team, or their own location.

INTELLIGENCE UNIFIED, ENTERPRISE-WIDE

Palantir Mobile moves enterprises one step closer to producing a single, shared intelligence picture that can be accessed and updated across every level of the organization.

The Palantir Platform rapidly connects to and integrates data from any type of system, structured or unstructured. Palantir has deep experience integrating with modern and legacy data systems used in both government and commercial enterprises. Our unified data architecture allows analysts to make discoveries across organizational and repository boundaries and to establish connections based upon information from a variety of public and non-public data sources.

Palantir's Nexus Peering technology allows organizations to collaborate and share not only raw data but also analyses across teams, organizations, and countries. We have tested this capability with great success across an array of challenging environments, including trans-continental investigations and disconnected forward operations in the battlefield. Setting up "peering" between multiple Palantir instances lets organizations share information quickly and securely.

Today, Palantir Mobile puts enterprise intelligence in the hands of individuals on the front lines and gives analysts at all levels real-time access to the latest information from the field. Palantir bridges the functional and organizational divides that typically make enterprise-wide intelligence gathering and sharing efforts so fragmented. Palantir Mobile is the latest example of how the Silicon Valley culture of continuous innovation can deliver revolutionary technologies to the intelligence, defense and law enforcement communities.
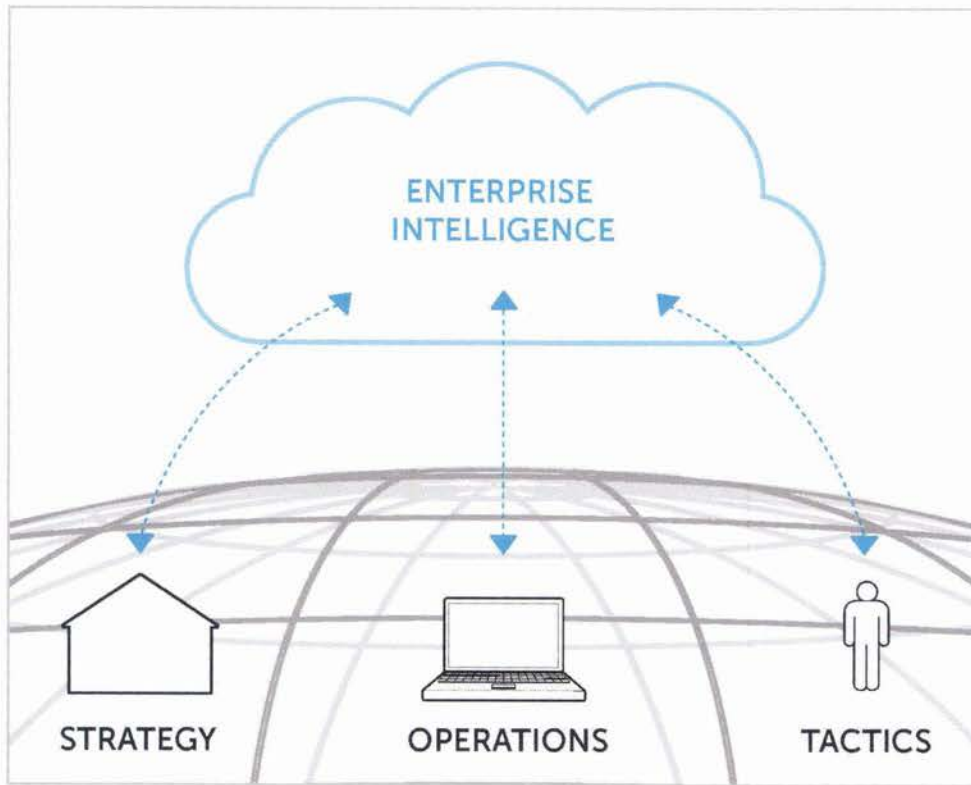
PALANTIR CREATES A SINGLE, SHARED INTELLIGENCE PICTURE that can be accessed and updated at any point—from strategy to operations to tactics, from base stations to individuals in the field, and from data collection to decision making.

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