

## Samsung SmartSSD: Accelerating Data-Rich Applications

Pankaj Mehra VP (Product Planning) Samsung Electronics







### Safe Harbor

This presentation and/or accompanying oral statements by Samsung representatives collectively, the "Presentation") is intended to provide information concerning the SSD and memory industry and Samsung Electronics Co., Ltd. and certain affiliates (collectively, "Samsung"). While Samsung strives to provide information that is accurate and up-to-date, this Presentation may nonetheless contain inaccuracies or omissions. As a consequence, Samsung does not in any way guarantee the accuracy or completeness of the information provided in this Presentation.

This Presentation may include forward-looking statements, including, but not limited to, statements about any matter that is not a historical fact; statements regarding Samsung's intentions, beliefs or current expectations concerning, among other things, market prospects, technological developments, growth, strategies, and the industry in which Samsung operates; and statements regarding products or features that are still in development. By their nature, forward-looking statements involve risks and uncertainties, because they relate to events and depend on circumstances that may or may not occur in the future. Samsung cautions you that forward looking statements are not guarantees of future performance and that the actual developments of Samsung, the market, or industry in which Samsung operates may differ materially from those made or suggested by the forward-looking statements in this Presentation. In addition, even if such forward-looking statements are shown to be accurate, those developments may not be indicative of developments in future periods.





## Pushing intelligence to the data





## Samsung SmartSSD Technology Roadmap

Roadmap to smaller FF (U.2) and greater integration with SSD controller





## Samsung SmartSSD: Proof of Concept

□ SmartSSD PM983F AIC (announced Samsung Tech Day 2018)



🜊 COLLABORATE. INNOVATE. GROW.



## SmartSSD Platform: Ecosystem Opportunities





## Samsung SmartSSD for Accelerating Data-Intensive Loads

For I/O-bound workloads, SmartSSD shows 5-6x speedup, with scalability





## Samsung SmartSSD Illiustrative Perf. Profile (Row-based)

Step 0 Physical Plan Stage Run Time Summary





# **Thank You!**





