Streamline AI/ML Development for Data Scientists with Workstations Powered by Intel

Planning and Conceptualizing

Building a workstation geared to data science efforts requires understanding the core tasks performed by data scientists.

Intially, much of the planning and conceptualizing of an AI solution can take place anywhere—even in a coffeeshop.

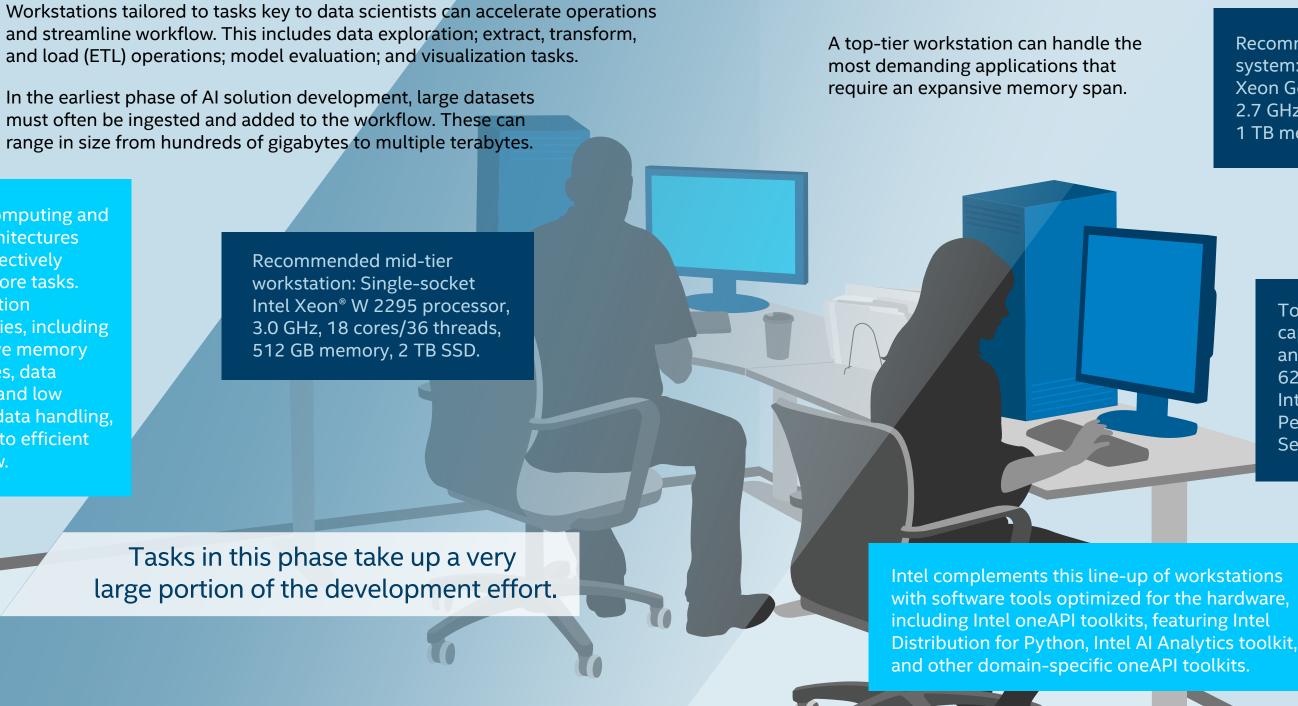
> A properly configured laptop, powered by an Intel Core processor, can accomplish this kind of work.

ud computing and PU architectures don't effectively handle core tasks. Vorkstation apabilities, including xpansive memory apacities, data ocality, and low tency data handling re vital to efficient orkflow

A suitable mobile workstation can do even more (including the tasks shown in the next panel if the datasets aren't too large).

Mobile workstation configured for a data scientist: Single-socket Intel[®] Core[™] i9 - 10900k processor, 3.7 GHz, 10 cores/20 threads.

Data Preparation, Model Evaluation, Data Exploration



intel

Hand-off to Production Engineering

Recommended top-tier system: Dual-socket Intel Xeon Gold 6258R processor, 2.7 GHz, 28 cores/56 threads, 1 TB memory, 2 TB SSD.

> To maximize memory capabilities, substitute an Intel Xeon Gold 6240L processor and Intel Optane[™] Persistent Memory 200 Series modules.

Once the AI solution ingredients are tested and validated, the Final Phase of the AI solution development is the hand-off to the production engineering team for model training and deployment.

Earn the trust and confidence of data scientists by offering workstation solutions keyed to their requirements. With Intel components, it is easy to provide workstation solutions that improve workflow, accelerate data science tasks, and help build exceptional AI solutions faster.

> To discover ways to improve the AI journey for customers, visit builders.intel.com/ai.

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