THE FUTURE OF DATA 0 5.1 's Data Science Vision SCIENCE WITH ACCELERATE DATA SCIENCE COMPLIMENT & ENHANCE FASTER ACCESS TO CRITICAL <u>WORKFLOWS</u> CLOUD INFRASTRUCTURE DATA SCIENCE TOOLS Z BY HP Webinar 30. Oktober 2020 M

Z IS TRANSFORMING HOW WE SOLVE **BUSINESS PROBLEMS ACROSS NORMAL &**



PRODUCT DEV.



MANUFACTURING



HIGHER EDUCATION



M&E







OIL & GAS





KEY SEGMENTS

HEALTHCARE





FINANCE



Dr Google must know what to do:



5 Best Desktops for Data Science 2020:

- HP Pavilion TP01 Desktop. Check Price at Amazon. ...
- Acer Aspire Z24-890-UA91 AIO. Check Price at Amazon. ...
- Lenovo Thinkcentre v530s Desktop. Check Price at Amazon. ...
- Kingdel Mini Desktop Computer. Check Price at Amazon. ...
- Lenovo ThinkCentre M920s. Check Price at Amazon.

Feb 17, 2020



Best Laptops For Data Science in 2020

- Best For Everyone: Apple MacBook Pro. ...
- Best For Professionals: Dell XPS 15 7590. ...
- Best Value For Money: Asus ZenBook 14. ...
- Best For Data Mining: Lenovo ThinkPad P53s. ...
- Best with Touch Screen: HP Envy 17T. ...
- Best For Students: Acer Swift 3. ...
- Best 2-in-1: Lenovo Yoga 730. ...
- Best Value For Remote Server Access: Apple MacBook Pro 13.



Best Laptops for Data Science

Who said its supposed to be easy.....

Example USE CASES



Data Scientist

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Want: To remotely access data at the source in each retail location and collect unstructured data, clean, model and pull insights quickly for District Managers to adjust promotions.

Current Problem: "Our retail locations have limited space in the data closet and the time to upload the data "

ZCENTRAL SOLUTION: DATA SCIENCE IN RETAIL SEGMENT

Company Size: 1000 Employees **Target Employees:** ITDM, Data Science (Business Analytics), District Manager

ITDM Want: F predicta spaces

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Want: Flexible remote compute power and predictable costs with easy deployment in limited spaces

Current Problem: "I can't find a cost-effective way to optimize data closet/room footprint and keep ultrahigh-end graphics performance, plus I need an easy way to deploy this solution"



District Manager

Want: To pull customer purchase trends to make better business and deployment decisions even when I am not in the office or stores Current Problem: "I need to be able to access customer purchase trends to maximize promotions and staff deployment when I am on the road"

ZCENTRAL SOLUTION

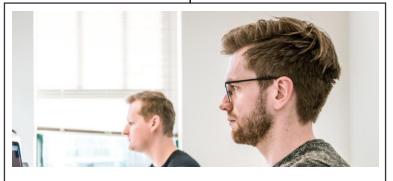






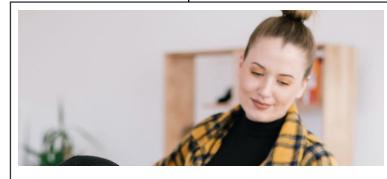
ITDM

Solution: ZCentral with DaaS options allows for easy procurement and deployment of ZCentral 4R, mobile devices and ZCentral Remote Boost across all teams with easy management of connections with ZCentral Connect.



Data Scientist

Solution: Remote access to data at the edge with ZCentral Remote Boost. Clean and run algorithms at the source of the data (the stores). No waiting for batch uploads to the cloud and deliver actionable insights to district managers.



District Manager

Solution: Access to trends and run promotion projections on thin and light laptops for real-time decision making





CUSTOMER TESTIMONIAL

NASA

"The Z8 data science workstation **Completely changed the field of possibility** for us... Computations that previously weren't imaginable, we can now do **10–100x faster** and open up entirely new questions to ask."

> Michael Kirk Research Astrophysicist at NASA Goddard

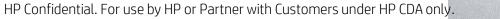




AMERICAN AIRLINES

"With the data science workstations, we're able to **get high accuracy** with the models — **at least 90%**. This helps us plan our cargo freights better than we ever could before."

> Tassio Carvalho Head of ML/AI at American Airlines



Z BYHP DELIVER COST EFFECTIVE DATA SCIENCE SOLUTION



\$26K annual savings vs. Cloud⁴⁵

Powerful Hardware

Secure Data Workflow

PRE-LOADED DATA SCIENCE SOFTWARE







CANONICAL

UBUNTU 20.04 (LINUX)

Built for Speed and Productivity

Hardware Stress Tested for Performance

Secure and Reliable

Premier Data Science Environment

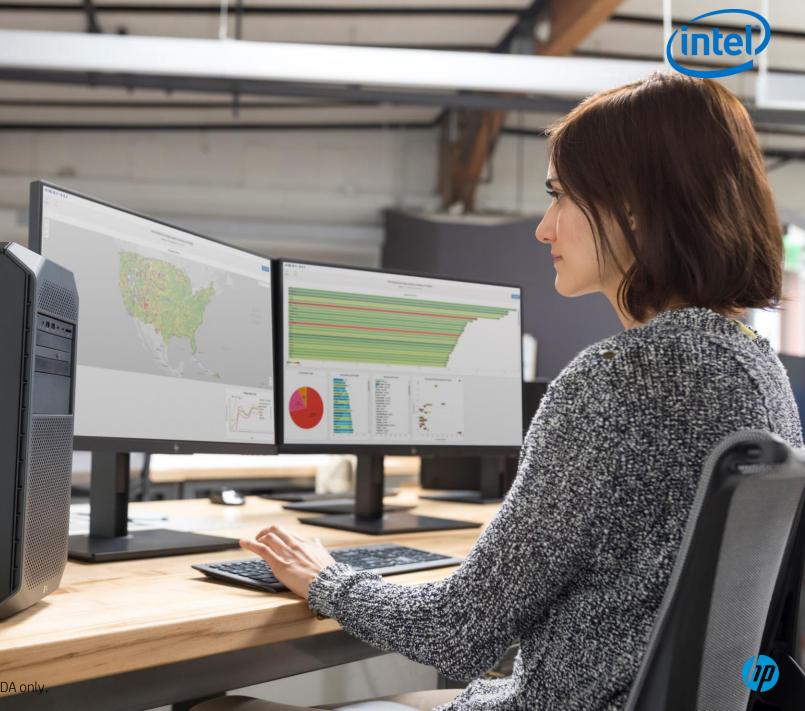


PRE-LOADED DEVELOPER UTILITIES











PRE-LOADED DS SOFTWARE TOOLS

DEEP LEARNING/ML LIBRARY	PROGRAMMING	DATA SCIENCE LIBRARY	CONTAINERIZATION & VIRTUALIZATION	GPU SUPPORT
TensorFlow Keras	Python 2 & 3		Docker	CUDA
PyTorch Cean Scikit-learn		RAPIDS cuML & cuDF	Miniconda	NVIDIA GFX Driver
XGBoost XGBoost				Virtual- Container-Toolkit

ENHANCE YOUR CLOUD EXPERIENCE



Cloud Interoperability

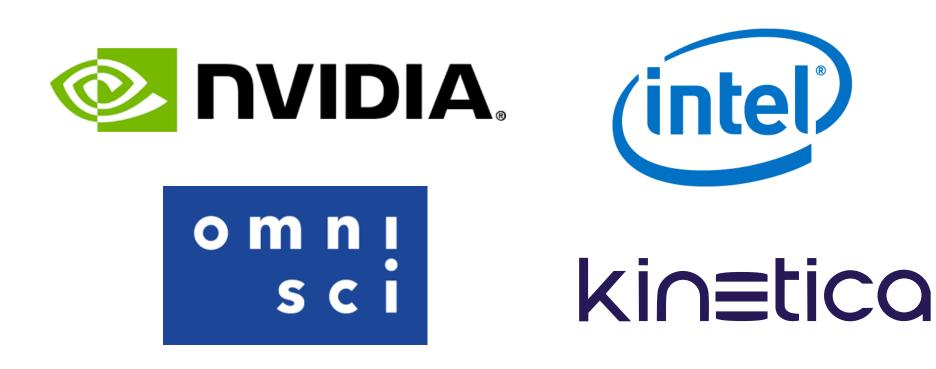
Z solutions now offer cloud command line access for seamless interaction with the main cloud environments AWS, Azure, and Google Cloud.





DATA SCIENCE RELATIONSHIPS

Z BY HP IS LEADING DATA SCIENCE INNOVATION WITH:





CONFIGURATIONS



Z Desktop Workstations For Data Science







ZCentral 4R

HP 74 G4 For data wrangling, cleaning, and visualization

For complex simulation, ML, and processing large datasets

For data wrangling, cleaning, and visualization

2 to 3BN rows in milliseconds per click₁ 2 to 3BN rows in milliseconds per click₁

4 to 5BN rows in milliseconds per click

HP 78 G4

DATA SCIENCE TOOLS PRE-LOAD **OPTIMIZED** RECOMMENDATION



- NVIDIA[®] RTX 8000 GPU (48 GB)
- Intel[®] Xeon[®] W Processors 6C (up to 18 CPU cores*)
 - 192-256GB RAM
 - Up to (1x 3.5" HDD + 2x 2.5" SSD/HDD) or (4x 2.5" SSD/HDD)
- Ubuntu 20.04
- Optional Aggregated Power Supply

- NVIDIA® RTX 8000 GPU (48 GB)
- Intel[®] Xeon[®] W Processors 6C (up to 18 CPU) cores*)
- 192-256 GB RAM
- 1TB⁴ HP Z Turbo drive
- 2TB⁴ HP Z Turbo data drive (optional)
- Ubuntu 20.04
- 1000 Watt Power Supply⁶

- DUAL NVIDIA® RTX 8000 GPU + NVI ink (96 GB)
- DUAL Intel[®] Xeon[®] 8C CPU⁵ (up to 28 CPU cores^{*})
- 192-512 GB RAM
- 1TB⁴ HP Z Turbo data drive (optional)
- Ubuntu 20.04
- 1450 Watt Power Supply⁷



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Z Mobile Workstations For Data Science





ZBook Create For Data Science students

/minute



ZBook Studio For business intelligence and managers



ZBook Fury 15/17 For business intelligence and managers

1 ~ 1.5 million rows/minute

rce RTX 2080S GPU (6 GB) Processors 6C (up to 8 CPU

- Intel[®] Core[™] Processors 6C (up to 8 CPU cores*)
 - 16 32GB RAM
 - >512GB SSD

- NVIDIA[®] Quadro RTX 5000 GPU (16 GB) ٠
 - Intel[®] Xeon[®] W Processors (up to 8 CPU cores*)

750.000 rows/minute

- 32 GB RAM
- >512GB SSD

- NVIDIA[®] Quadro RTX 5000 GPU (16 GB)
- Intel[®] Xeon[®] W Processors (up to 8 CPU cores*) ٠
- 32 128 GB RAM
- >512GB SSD



RECOMMENDATION

OPTIMIZED





Z Displays For Data Science





Z 3 2 4 K Monitor For Data Science students



Dual Z27 4K Monitors For business intelligence and managers



Z38c Curved Monitor For business intelligence and managers

31.5" 4K UHD Resolution

27" 4K UHD Resolution

37.5" 21:9 Ultra Wide Curve

- Get expansive screen space on a 31.5" color calibrated monitor
- Tackle complicated datasets with four times more pixels than Full HD
- Ultra-crisp visuals, reliable color and super-fine details
- See all of your data at once on dual 27" displays
- Ultra-crisp visuals, reliable color and super-fine details
- With 4K UHD, get over 8 million pixels to see every detail of your dataset
- Immerse yourself in your work with an 2300mm radius curve that fits your natural vision
- Work productively on one large 21:9 ultra wide viewing area and 4K-wide resolution
- Ultra-crisp visuals, reliable color and super-fine details



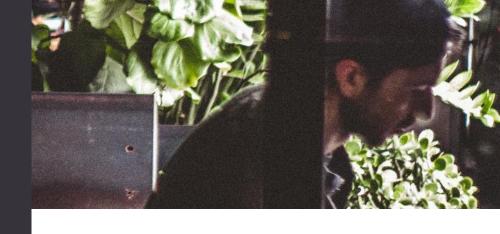
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Data Science Evaluation Program How do I apply?

Evaluation Program Details:

- Trial and test before ordering.
- Provide insights and dialogue with our team to best build out the perfect configuration for your business needs.



Sign up: <u>Here</u>



THE Z ADVANTAGE

-0

Provides performance, partnerships and security advantages over other data science solutions.

Tak for i dag og god weekend
