Agenda

• Review of current generation mainstream Dell Precision workstations
• Why Dell? Industry leading innovation & design
• NEW! Transition to the next-gen fixed & rack Dell Precision workstations
• Product Overviews
The New Dell
Dell Precision is the **most comprehensive** workstation solutions portfolio

**Products** + **Software** + **Accessories** + **Services**

- **Entry mobile**
  - Dell Precision M2800

- **Thin & light**
  - Dell Precision M3800

- **Powerful, single & dual core mobile**
  - Dell Precision M4800 & M6800

- **Entry & small form factor, to full power, fully expandable towers**
  - Dell Precision T1700, T3610, T5610, T7610

- **1:1 Rack workstation**
  - Dell Precision R7610

- **1 to many**
  - Dell Wyse Datacenter for virtualized workstations

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**Dell Precision Optimizer** | **Intel CAS-W** | **Reliable Memory Technology (RMT)**

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*Dell - Critical Handling - Confidential*

*Dell Solutions Tour 2014*
Dell Precision is focused on workstation innovation

**Award-winning 4k2k**

**Leader in rack based workstations**

**NEW! M3800**

1st real thin & light

"World’s thinnest, lightest mobile workstation"

**Launched Dell Precision Optimizer & CAS-W**

**#1 Monitor Brand Worldwide***

**Refreshed our entire lineup in 2013**

**Highest share growth in Q4**

**Behind Emmy & Academy award winning productions**
Smart Design for the way you work

Dell Precision mainstream tower workstations

• Goal: Enable greater productivity by designing the highest performing workstation with leading innovation for easy user access, manageability and convenience

• Straightforward and practical design; No superficial features

• Award winning best-in-class chassis design

• Example: handle on tower for easy carrying
Dell Smart Design: Front Accessible Hard Drives

Front accessible hard drives on the T7610

- Up to four 3.5” or eight 2.5”
- Easy access to remove and replace hard drives
- Quick release hard drives
- Lockable front bezel for added security

Dell Precision T7610
Dell Innovation: Best-in-Class Chassis Design

- Tool-free, externally accessible power supply
- Improved serviceability gets you back up and running quickly

Dell Precision T3610 / T5610

Dell Precision T7610
Dell Precision Optimizer enhances application productivity with dynamic system tuning

- Included with your Dell Precision workstation
- Performance profiles automatically adjust Intel® Hyper-Threading, # of CPU cores, as well as graphics, and power settings
- Custom-built profiles for your application’s workload
- Works in the background
- Provides system utilization tracking and reporting
- Enables updates of drivers, software and firmware

* Test results are a weighted geometric mean of optimized configuration samples, compared to factory-installed default settings.
** Benchmarks are industry standard applications using SPEC committee and other industry standard benchmarks.
Eliminate the bottleneck you never knew you had: Intel CAS-W

- **Exclusive** Dell Software
- Cache acceleration software for workstations
- Gives large capacity, rotating disk drive high performance up to & exceeding, SSD

Increased Storage Performance with CAS-W

* T3610 with Xeon E5-1650 v2, 64GB memory (4x16GB), 500GB 7200RPM SATAIII boot drive, 128GB cache drive, CAS-W build 10301-2017

Dell Solutions Tour 2014
Maximize uptime—Dell Reliable Memory Technology

- Exclusive, Dell patented technology
- Responds to memory errors preventing reoccurrences
- Extends memory life
- Notifies you of memory errors before the DIMM is unusable
- Reduces down time
- Makes troubleshooting easier

With Dell RMT – The bad memory bit is mapped out, so the DIMM can still be used
Without Dell RMT – Bad memory is still present, leaving your system vulnerable to blue screens or requiring resources to replace

Supported on the T7610, T5610 and T3610 and R7610 with ECC memory
<table>
<thead>
<tr>
<th>Model</th>
<th>Main Features</th>
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<tbody>
<tr>
<td><strong>R7610</strong></td>
<td>Ultimate Workstation performance, scalability &amp; security in a 2U rack form factor</td>
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**Current-gen mainstream fixed Precision workstations**

- **T3610**: Outstanding mainstream performance, innovative chassis
  - E5-1600 V2 Ivy Bridge CPU
  - Single socket up to 130W & 6 Cores
  - Up to 300W professional graphics
  - Entry NON-ECC DDR3 memory SKUs
  - DDR3 RDIMM memory up to 128GB
  - 6Gb/s HW Raid Controller Card
  - Intel vPro
  - ISV Certifications

- **T5610**: More processing power in a compact innovative chassis
  - E5-2600 V2 Ivy Bridge CPU
  - Up to Dual 150W CPUs & 10 cores
  - Up to 300W professional graphics
  - DDR3 RDIMM memory up to 128GB
  - 6Gb/s HW Raid Controller Card
  - Intel vPro
  - ISV Certifications

- **T7610**: Ultimate Workstation performance & scalability
  - E5-2600 V2 Ivy Bridge CPU
  - Up to Dual 150W CPUs & 12 cores
  - Up to 675W Pro graphics
  - DDR3 RDIMM memory up to 512GB
  - LSI 6Gb/s SWRAID Controller down
  - 6Gb/s HW Raid Controller Card
  - Intel vPro
  - ISV Certifications
  - Highly expandable

- **R7610**: Ultimate Workstation performance, scalability & security in a 2U rack form factor
  - E5-2600 V2 Ivy Bridge CPU
  - Up to Dual 150W CPUs & 12 cores
  - Up to 675W Professional graphics
  - DDR3 RDIMM memory up to 512GB
  - LSI 6Gb/s SWRAID Controller down
  - 6Gb/s HW Raid Controller Card
  - Intel vPro
  - Best in class remote access solutions
  - Ideal for OEMs & workstation virtualization with Citrix

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Dell Solutions Tour 2014
Dell Fixed Precision Portfolio – June 2014

<table>
<thead>
<tr>
<th></th>
<th>Q4 CY13</th>
<th>Q1 CY14</th>
<th>Q2 CY14</th>
<th>Q3 CY14</th>
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<td>Dual Socket</td>
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Single Socket

RTS 9/4, SKUs-on 9/9, Intel Launch 9/8
### NOTE: Precision naming conventions are changing

<table>
<thead>
<tr>
<th>Old name</th>
<th>→</th>
<th>New Name</th>
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<tbody>
<tr>
<td>T3610</td>
<td>→</td>
<td>Dell Precision Tower 5810</td>
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<tr>
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<td>Dell Precision Tower 7810</td>
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<td>T7610</td>
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<tr>
<td>R7610</td>
<td>→</td>
<td>Dell Precision Rack 7910</td>
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</table>
New Workstations - Key Features

**Performance**
- Latest Intel Microarchitecture with Haswell Xeon E5 Processors - expanded choices
- 2133Mhz DDR4 Memory up to 1TB on T7910, Rack*
- Next gen graphics refresh
- 6.0Gb/s Intel AHCI SATA cont. T58,T78,R79
- 12Gb/s PCIe controller card options (400GB SAS SSD)
- Improved acoustic performance
- Thunderbolt 2 PCIe option card (on towers)
- Expanded PCIe SSD Storage 700GB, 1.4GB
- V2.0 Dell Precision Optimizer
- Efficiency with EPA 80-Plus Gold
- Color Calibration Solution

**Smart Design**
- Easy Access serviceable chassis
- Handles for transportability
- Maximum Scalability T7910
- Datacenter Full Features (Rack)
- Flexible Remote Access and Virtualized solutions (Rack)

**Configurability**
- Solution options to meet diverse needs Precision Managed Ecosystem
- OS Options that customers want
- Ubuntu 12.04 Factory installed WW on towers (replaces FreeDOS)
- Citrix and VMware support on Rack
- Catalog Options delivering better value and faster delivery - on Towers
- Custom Build To Order

**Dependability**
- Dell RMT (Reliable Memory Technology)
- Reliable Components and Specs
- Extensive ISV Application certifications
- Dual redundant PSU (Rack)

**Manageability**
- iDRAC enabled (Rack) - vPro for Towers

* Post RTS
## Next-gen mainstream fixed Precision workstations

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<tr>
<th>Tower 5810</th>
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<th>Rack 7910</th>
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<tr>
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<tr>
<td>- DDR4 RDIMM memory up to 256GB*</td>
<td>- DDR4 RDIMM memory up to 256GB*</td>
<td>- DDR4 RDIMM memory up to 1TB*</td>
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</tr>
<tr>
<td>- Integrated 6.0Gb/s SATA controller</td>
<td>- Optional 12Gb/s PCIe Raid Controller Cards</td>
<td>- Intel vPro</td>
<td>- Integrated 12Gb/s SW Raid controller</td>
</tr>
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<td>- ISV Certifications</td>
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<td>- Intel iDRAC Datacenter Manageability</td>
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Dell Solutions Tour 2014
Precision Graphics

- **T5810**
  - Nvidia NVS 310, 315
  - Nvidia K420 (Oct 2015)
  - AMD W2100, W4100
  - Nvidia K620
  - AMD W5100, W7100
  - Nvidia K2200, K4200
  - Nvidia K5200, K6000

  **Up to 2 cards**

- **T7810**
  - Nvidia NVS 310, 315
  - Nvidia K420 (Oct 2015)
  - AMD W2100, W4100
  - Nvidia K620
  - AMD W5100, W7100
  - Nvidia K2200, K4200
  - Nvidia K5200, K6000
  - Nvidia Tesla K20C

  **Up to 2 cards**

- **T7910**
  - Nvidia NVS 310, 315
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  - AMD W2100, W4100
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  - AMD W5100, W7100
  - Nvidia K2200, K4200
  - Nvidia K5200, K6000
  - Nvidia Tesla K20C
  - Intel Xeon Phi 3120A (S&P)

  **Up to 4 cards**

- **R7910**
  - Nvidia NVS 310
  - Nvidia K620
  - AMD W5100, W7100
  - Nvidia K2200, K4200
  - Nvidia K5200, K6000
  - Nvidia Tesla K20C
  - Nvidia K2A
  - Intel Xeon Phi 3120A (S&P)

  **Up to 4 cards**
Thank You!