



Radiation oncology

HealthSuite on Premises

Specifications

# Radiation Oncology IT Platform

## HealthSuite on Premises

Philips HealthSuite on Premises (HSOP) offers a consolidated Radiation Oncology IT Platform supporting multiple care pathways.

Providing tools to support clinical applications based on industry standards for virtualization, interoperability, and security, each configuration is designed with exceptional performance for all users, while allowing for superb flexibility in workflow.

### Key advantages

#### Performance for all users

Our HealthSuite on Premises servers are engineered to support all department users with the resources necessary for exceptional performance.

#### Flexible workflow

HealthSuite on Premises allows users on the hospital network to access patient workflow protocols, treatment planning tools, and other applications wherever needed.

#### Long term investment

With configurations designed to grow “in to” rather than “out of,” HealthSuite On Premises anticipates future demands on planning complexity and volumes.

# Providing reliability, security, and efficiency for robust deployment

## Reliability

Provide high availability	<ul style="list-style-type: none"><li>• Multi-node server configurations (&gt;3)</li><li>• Fail-over protection</li><li>• Manages system performance and user demands</li></ul>
Enable robust back up, disaster recovery	<ul style="list-style-type: none"><li>• Hyper-converged infrastructure</li><li>• NFS mounts</li><li>• SAN for 3 node or greater</li><li>• Veeam</li></ul>
Remote, proactive monitoring	<ul style="list-style-type: none"><li>• Philips Remote Services (PRS)*</li><li>• Required to ensure uptime guarantee</li></ul>

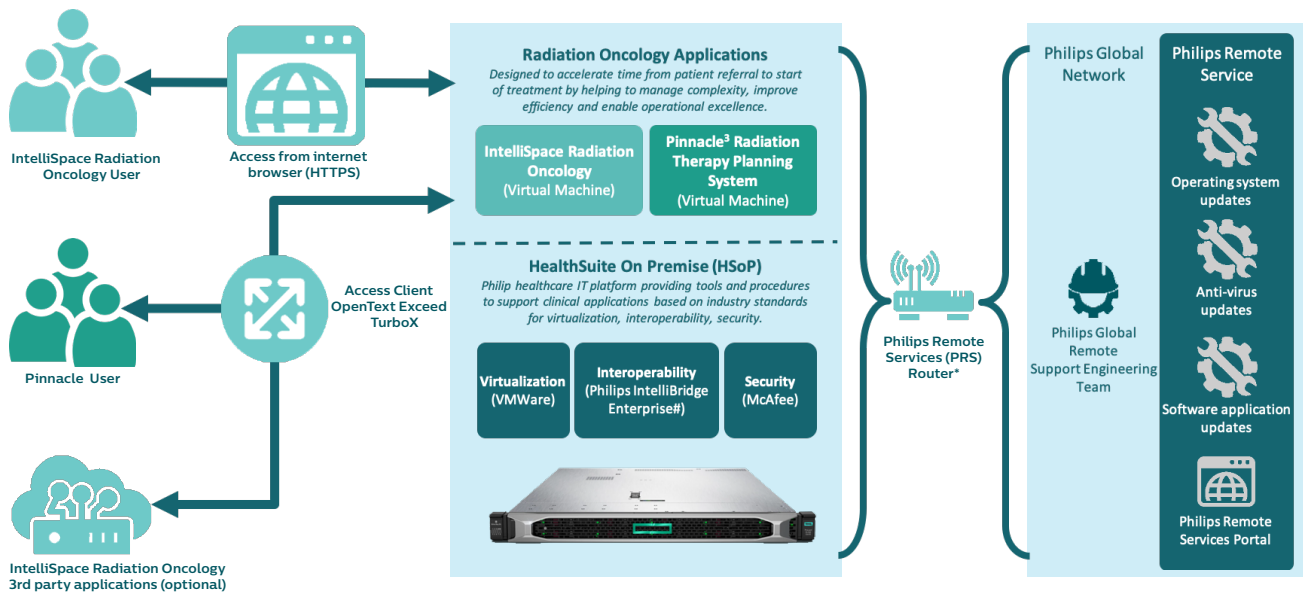
## Scalability

Efficient end user deployment	<ul style="list-style-type: none"><li>• LDAP/AD support</li><li>• Access through OpenText Exceed TurboX 12 or internet browser<sup>#</sup></li><li>• Collaborative screen sharing</li></ul>
Additional performance	<ul style="list-style-type: none"><li>• Multi-node configurations</li><li>• Hyper-converged infrastructure</li></ul>
Radiation Oncology Applications	<ul style="list-style-type: none"><li>• Supports IntelliSpace Radiation Oncology and Pinnacle Therapy Planning</li></ul>

## Security

Enterprise anti-virus support	<ul style="list-style-type: none"><li>• McAfee*</li></ul>
Protect data with encryption at rest/in transit	<ul style="list-style-type: none"><li>• SSL encryption in transit</li><li>• Hardware encryption at rest</li></ul>
Network	<ul style="list-style-type: none"><li>• Limited ports and firewall required configuration required</li></ul>
Easy application and OS updates*	<ul style="list-style-type: none"><li>• Philips Remote Services</li><li>• Automatic updates, and package and dependency management</li></ul>

# Radiation Oncology IT Platform overview



## Configurations

10 Pinnacle concurrent users  
 Unlimited IntelliSpace Radiation Oncology users

- Single node 1N



20 or 30 Pinnacle concurrent users  
 Unlimited IntelliSpace Radiation Oncology users

- Three node 3N
- Network switch, (included)



Storage Area Network  
 (Required, included)

10 Pinnacle concurrent users, each node  
 60 Pinnacle concurrent users, total  
 Unlimited IntelliSpace Radiation Oncology users

- Optional, additional server node +1N
- +3 limit
- Total 6 nodes\*\*



\*Requires an active Service Maintenance Agreement

\*\* Available 2021

# IntelliSpace Radiation Oncology only

# Minimum technical specifications

<b>Configurations available</b>	Single (1) node, three (3) nodes, or more (limit 6 total)**
<b>Server</b>	HealthSuite On Premises single-node, 1U (HPE DL360 gen10) server
<b>Hardware</b>	CPU (x2 each): 18 cores, 72 threads total   RAM: 384GB each 1 node: Direct attached storage data drive: 3.2TB; RAID 10   3 node or more: SAN, see below
<b>Hypervisor</b>	VMware (vCenter Foundation and vSphere Standard)
<b>Operating system</b>	Windows 2016 R2 STD 64   RHEL server 7.8 (Radiation Oncology Applications)
<b>Network ports</b>	Qty 2 - 1Gbps (minimum), 10Gbps (recommended) Each Server Qty 1 - HPE iLO 5 ASIC
<b>Access client, IntelliSpace Radiation Oncology</b>	IntelliSpace Radiation Oncology: Chrome web browser with JavaScript enabled   Integrated 3rd party applications: OpenText Exceed TurboX 12
<b>Access client system requirements, IntelliSpace Radiation Oncology</b>	Chrome: <a href="http://www.google.com/chrome">www.google.com/chrome</a>
<b>Access client, Pinnacle Therapy Planning</b>	OpenText Exceed TurboX 12
<b>Access client system requirements, Pinnacle Therapy Planning</b>	Windows 7 SP1, Windows 8.1 and Windows 10 64 bit, MacOS 10.14 (Mojave)   Display resolution: 1280x1024 or greater
<b>Access client networking requirements</b>	10Mbps (minimum)
<b>Remote serviceability*</b>	Remote monitoring of hardware, VM, and HSOP PaaS services
<b>Domain service /HL7 service, IntelliSpace Radiation Oncology</b>	Philips IntelliBridge Enterprise (IBE) B.12
<b>Backup &amp; disaster recovery</b>	Veeam 10
<b>OS patching*</b>	Ivanti 9.4
<b>Antivirus*</b>	McAfee ENS 10.5
<b>Security</b>	TLS 1.2 supported & infra hardening
<b>Security level (hardening)</b>	VMware (>80% of CIS benchmark)   RedHat (>80% of RMF benchmark)
<b>SAN (included with three (3) or more nodes)</b>	<a href="#">HPE MSA 2050 SAN storage</a> , 16 TB; RAID 5
<b>Switch (included with three (3) or more nodes)</b>	Qty 2 - <a href="#">HPE 5710 24XGT 6QS+/2QS28 Switch (JL689A)</a>

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