

# IMQS SYSTEM REQUIREMENTS

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# 1. Introduction

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The IMQS suite of products is web hosted on a central server and be accessed by devices meeting the minimum requirements. The web server can be hosted on site, in a client's intranet or off site (cloud hosting). To host our products, the technical requirements listed in this document need to be met.

## 2. Hosting options

These two diagrammes illustrate the hosting options available to a client.

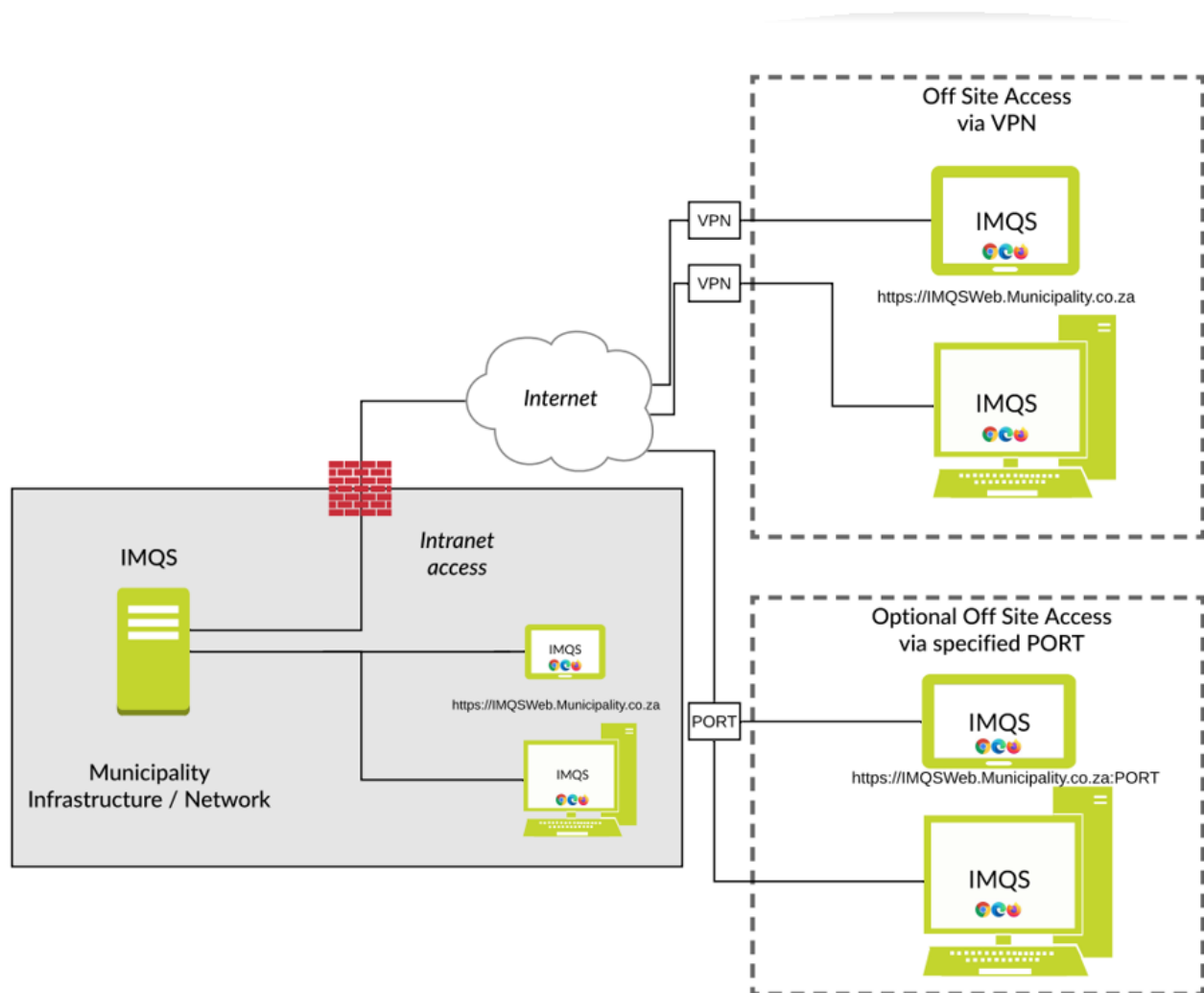


Fig 1: On site hosting done by the client

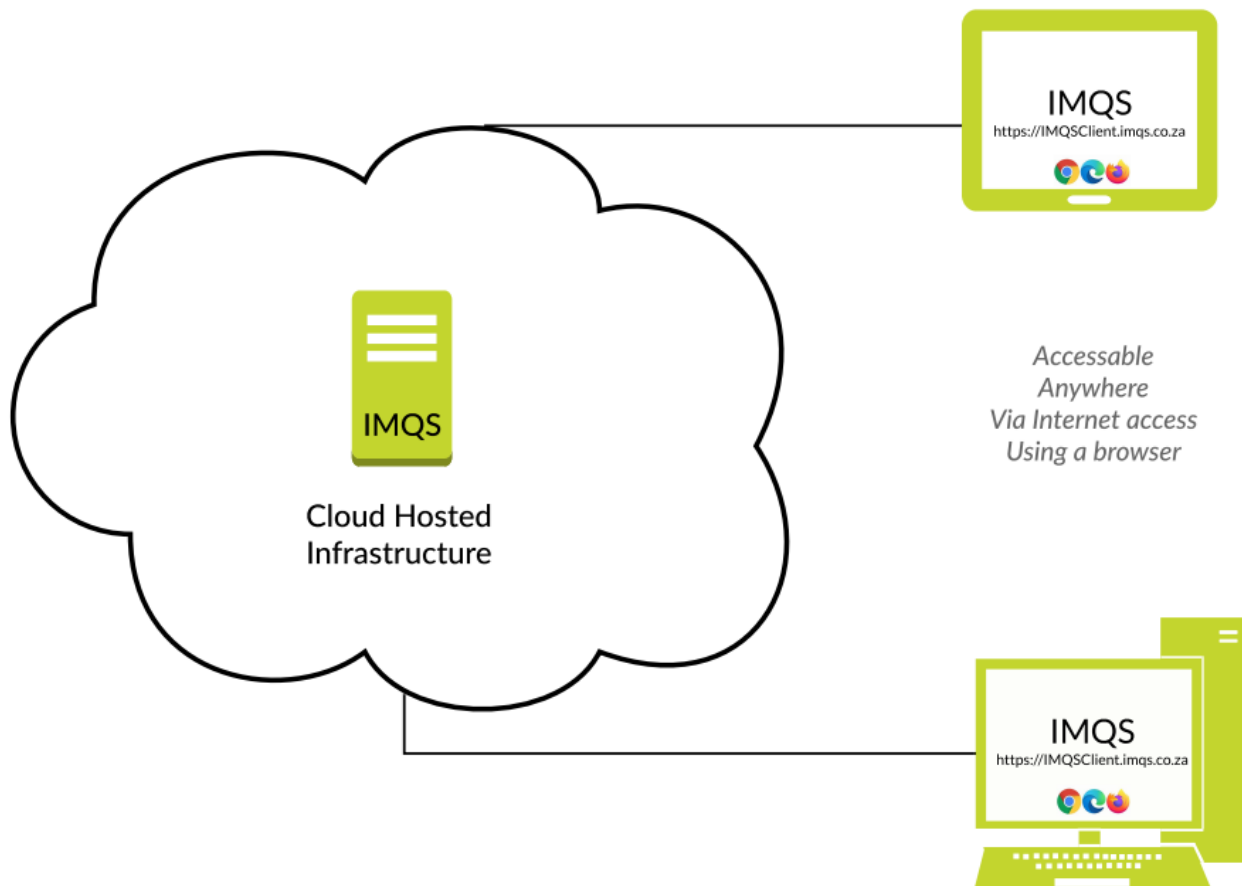


Fig 2: Off site hosting as done by an IMQS service provider

### 3. Web application server requirements when hosting on site

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OPERATING SYSTEM	
<i>Required</i>	Microsoft Windows Server 2016 or later
PROCESSOR	
<i>Processor</i>	Min of Xeon Processor 2 GHz
<i>Virtual Server</i>	Min of 4 cores
<i>Recommended</i>	Min of Xeon Quad core
HARD DISK	
<i>Size</i>	500Gb Solid State Disk (SSD)
<i>Recommended</i>	1Tb Solid State Disk (SSD)
<i>Alternatively</i>	2 x 500Gb Solid State Disk (SSD)
SYSTEM RAM	
<i>RAM</i>	Min 16Gb expandable to more
PERIPHERAL COMPONENTS	
<i>Network Card</i>	Min 1 Gb
SOFTWARE	
<i>Note</i>	The below third-party software applications are installed by IMQS and should not be pre-installed by client's IT department.
	PostgreSQL

	Java
	Git
	Ruby
	Datadog
	RabbitMQ

NETWORK PORT	
<b>Incoming TCP Port</b>	Port 80 or 443
	(accessing IMQS application in web browser)
<b>Outgoing TCP Port</b>	Port 10516
	Intake.log.datadoghq.com(web server health monitor)
<b>Accessible URL's</b>	https://imqs-mailer.appspot.com
	http://api.geonames.org
	http://nominatim.openstreetmap.org/
	http://open.mapquestapi.com
	https://deploy.imqs.co.za
	https://*.datadoghq.com (Any traffic to a destination in the datadoghq.com domain, using port 443)
	https://maps.googleapis.com
	https://s3.amazonaws.com/



	https://api.rubygems.org
	https://rubygems.org

NETWORK	
<b>Connection</b>	Via Web browser
<b>HTTP Port access number</b>	Can be changed or configured on request
<b>Required</b>	Connection via secure web browser
	(HTTPS, port 443)
	SSL Security certificate provided by client when exposed to the internet
BANDWIDTH & SPEED	
<b>Less than 15 Users</b>	Min 4Mb/s (500kb/s)
<b>More than 15 Users</b>	For Every 10 – 15 Users additional add 4Mb/s
REMOTE ACCEESS	
<p><b>NOTE:</b> In cases where the server is client hosted (internally) behind a firewall, <b><u>VPN access will be required</u></b> for IMQS dedicated support staff to continuously maintain the IMQS Web server backend data and software patches. All change requests will be handled via the client's Request for Change process (RFC) and are communicated in advance.</p>	
<b>Remote desktop access (RDP)</b>	Local Windows Admin Rights to IMQS Web Portal Server
	(for Software Setup & Continuous Maintenance)

## 4. User device requirements

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<b>Processor</b>	No min specs
<b>Operating System</b>	No min specs
<b>System RAM</b>	No min specs
<b>Screen Size</b>	1024 x 768
<b>Screen Size – Recommended</b>	1280 x 1024
<b>Software</b>	Adobe Acrobat or similar PDF viewer
<b>Internet Browsers</b>	Google Chrome
	Microsoft Edge ( <u>Internet Explorer is <b>not</b> supported</u> )
	Mozilla Firefox
	Safari
<b>Browsers required</b>	Automatic updates enabled
	JavaScript enabled
	Allow local storage and cookies to be set
<b>Network</b>	Access to IMQS Web Server via port 443 (HTTPS)