IMQS SYSTEM REQUIREMENTS

2021

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Contents

1. Introduction

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

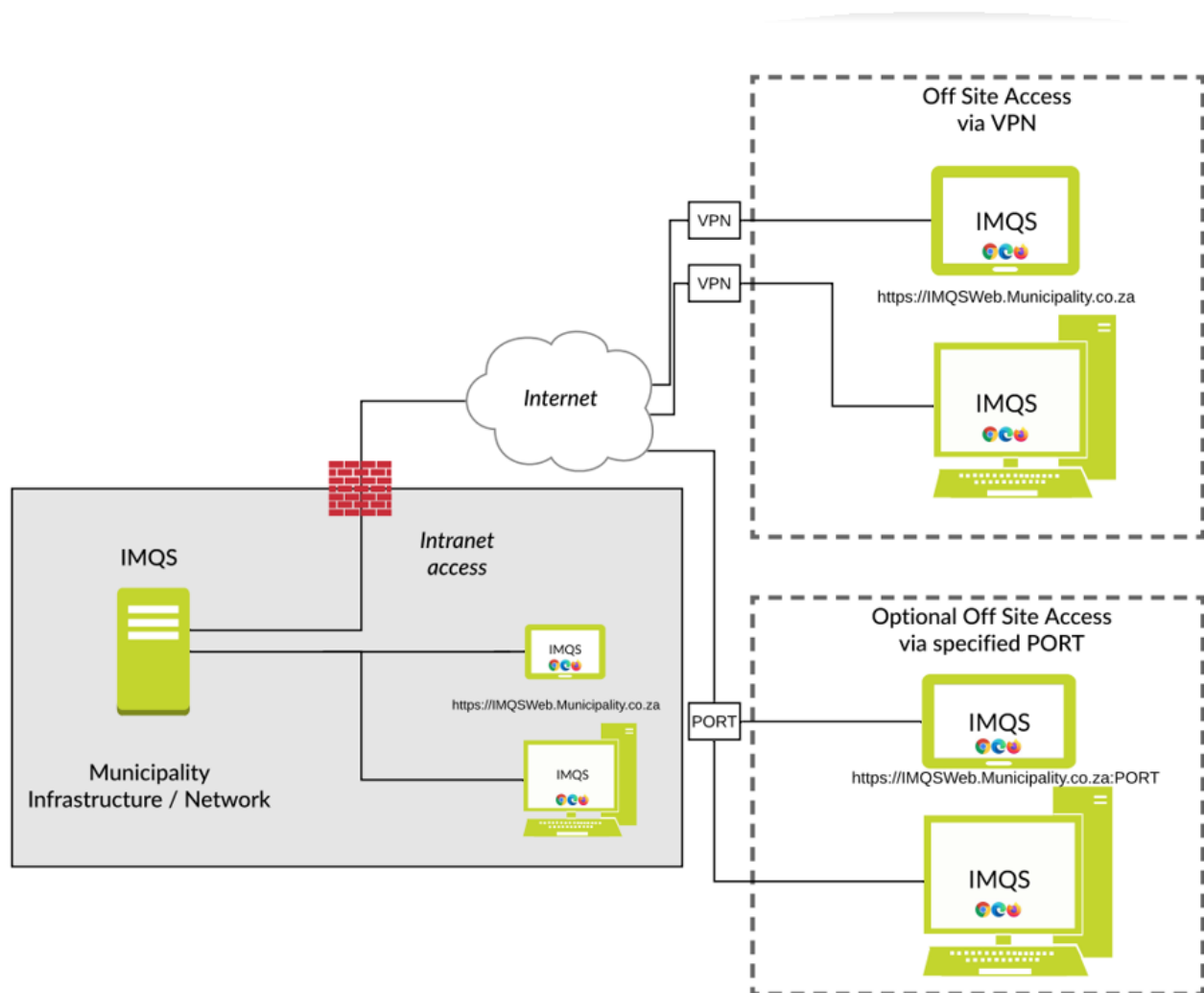These two diagrammes illustrate the hosting options available to a client.

Fig 1: On site hosting done by the client
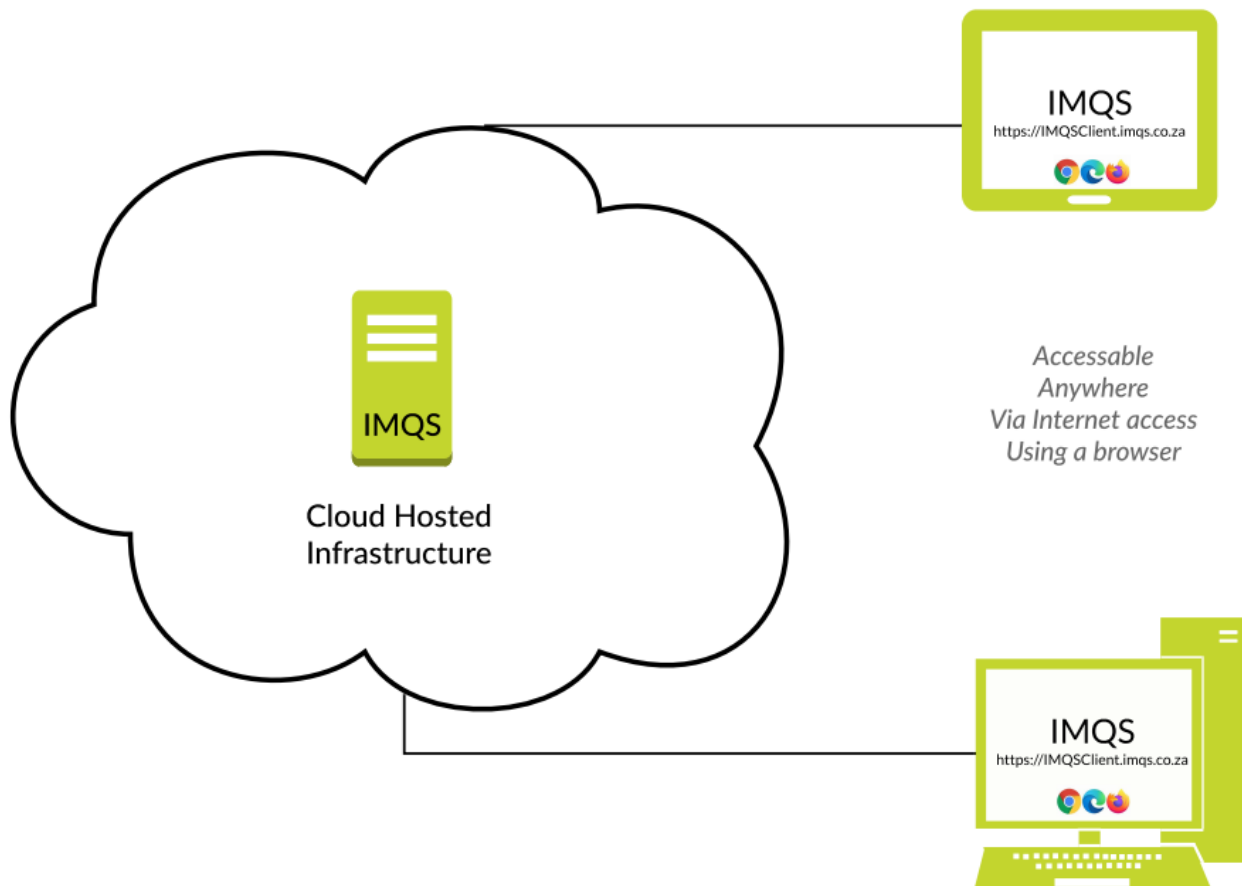
Fig 2: Off site hosting as done by an IMQS service provider

3. Web application server requirements when hosting on site

OPERATING SYSTEM	
Required	Microsoft Windows Server 2016 or later
PROCESSOR	
Processor	Min of Xeon Processor 2 GHz
Virtual Server	Min of 4 cores
Recommended	Min of Xeon Quad core
HARD DISK	
Size	500Gb Solid State Disk (SSD)
Recommended	1Tb Solid State Disk (SSD)
Alternatively	2 x 500Gb Solid State Disk (SSD)
SYSTEM RAM	
RAM	Min 16Gb expandable to more
PERIPHERAL COMPONENTS	
Network Card	Min 1 Gb
SOFTWARE	
Note	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	
Incoming TCP Port	Port 80 or 443
	(accessing IMQS application in web browser)
Outgoing TCP Port	Port 10516
	Intake.log.datadoghq.com(web server health monitor)
Accessible URL's	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	
Connection	Via Web browser
HTTP Port access number	Can be changed or configured on request
Required	Connection via secure web browser
	(HTTPS, port 443)
	SSL Security certificate provided by client when exposed to the internet
BANDWIDTH & SPEED	
Less than 15 Users	Min 4Mb/s (500kb/s)
More than 15 Users	For Every 10 – 15 Users additional add 4Mb/s
REMOTE ACCEESS NOTE: In cases where the server is client hosted (internally) behind a firewall, **VPN access will be required** 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.	
Remote desktop access (RDP)	Local Windows Admin Rights to IMQS Web Portal Server
	(for Software Setup & Continuous Maintenance)

4.   User device requirements

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