

Technical Specifications

mashme.io is a SaaS video collaboration platform, that is delivered via a web browser and requires no plug-ins or application installation on the clients' desktop.

Based on **HTML5** and **WebRTC** (Web Real Time Communications), the application runs in a browser window making it one of the largest web applications ever created.

It solves the problem of fragmented tools and short-lived discussions by offering a complete real-time synchronised virtual classroom or meeting room solution for sharing, organising and storing documents, video chat, instant messaging, and leveraging multimedia content.

mashme.io is a modular platform that can be adapted to your business needs. We are able to work with your organisation to develop and integrate the tools to enable Digital Transformation.

Requirements	SaaS
Device	A computer, tablet or Android/iOS smartphone is required.
Browser	<p>mashme.io operates on the following browsers:</p> <ul style="list-style-type: none"> • Google Chrome (most recent version) • Mozilla Firefox (Quantum or above) • Safari (version 14 and above)
OS	<p>mashme.io has no specific dependency on Operating System (OS), however we support Microsoft from Windows 7 onwards, Safari from El Capitan (V10) and Android from Jelly Bean.</p>
Webcam	An installed webcam compatible with the computer is required for a video collaboration session.



Microphone	A microphone compatible with the computer is required for a video collaboration session.										
Audio	Headphones or sound device, compatible with the computer is required for a video collaboration session.										
Bandwidth Specifications	Room Bandwidth Dependant upon the number of current users connected, and the quality of them, typically this ranges between 300 kbps & 1.5 Mbps for HD quality camera per user. Other considerations are screensharing and communications overhead. <table><tr><td>5 users</td><td>1.5Mbps - 7.5Mbps</td></tr><tr><td>10 users</td><td>3.0 Mbps - 15 Mbps</td></tr><tr><td>20 users</td><td>6.0 Mbps - 30 Mbps</td></tr><tr><td>40 users</td><td>12.0 Mbps - 60 Mbps</td></tr><tr><td>80 users</td><td>24.0 Mbps - 120 Mbps</td></tr></table>	5 users	1.5Mbps - 7.5Mbps	10 users	3.0 Mbps - 15 Mbps	20 users	6.0 Mbps - 30 Mbps	40 users	12.0 Mbps - 60 Mbps	80 users	24.0 Mbps - 120 Mbps
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	Remote User Bandwidth Dependant upon the Remote User's video camera <table><tr><td>Upload</td><td>Download</td></tr><tr><td>Typically this ranges between 300 kbps & 1.5 Mbps for HD quality camera per user</td><td>Based on 3 video streams 300 kbps - 1.5 Mbps per video stream</td></tr></table>	Upload	Download	Typically this ranges between 300 kbps & 1.5 Mbps for HD quality camera per user	Based on 3 video streams 300 kbps - 1.5 Mbps per video stream						
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Email	All emails will be delivered from 168.245.109.104										
Ports	TCP: 80 y 443 UDP: 36000-59999 UDP: 19302										
Web Proxy	In case your organization has a web proxy installed, make sure the domains mentioned above are enabled.										
IP addresses	Enable traffic from the following IP addresses: <table><tr><td>• 35.205.188.83</td><td>• 35.186.193.98</td></tr><tr><td>• 35.201.107.97</td><td>• 35.244.230.151</td></tr></table>	• 35.205.188.83	• 35.186.193.98	• 35.201.107.97	• 35.244.230.151						
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<p>Domains</p>	<p>Enable traffic for the following domains:</p> <p>mashme.io:</p> <ul style="list-style-type: none">• ws.mashme.io• files.mashme.io• app.mashme.io• api.mashme.io• accounts.mashme.io• analytics.mashme.io• test.mashme.io• public-assets.mashme.io• private-assets.mashme.io• help.mashme.io• status.mashme.io• universitas-virtual.mashme.io• universitas-hybrid.mashme.io <p>syncrtc.com:</p> <ul style="list-style-type: none">• turn.syncrtc.com• sentry.syncrtc.com• kxctl-europe-west1.syncrtc.com <p>Others:</p> <ul style="list-style-type: none">• stun.l.google.com• freshchat.com• storage.googleapis.com <p>Allow websocket protocol.</p>
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For further technical information email: support@mashme.io