

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. *[BETA] |
| Browser | mashme.io operates on the following browsers: <ul style="list-style-type: none"> • Google Chrome (most recent version) • Mozilla Firefox (Quantum or above) • Safari (version 14 and above) [BETA] |
| OS | 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. |
| Webcam | An installed webcam compatible with the computer is required for a video collaboration session. |



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|--|---|-------------------|-------------------|--|---|----------|--------------------|----------|---------------------|----------|----------------------|
| 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 |
| | 5 users | 1.5Mbps - 7.5Mbps | | | | | | | | | |
| 10 users | 3.0 Mbps - 15 Mbps | | | | | | | | | | |
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| 40 users | 12.0 Mbps - 60 Mbps | | | | | | | | | | |
| 80 users | 24.0 Mbps - 120 Mbps | | | | | | | | | | |
| | 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 | | | | | | |
| 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 | | | | | | | | | | |
| 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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| • 35.201.107.97 | • 35.244.230.151 | | | | | | | | | | |



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| Domains | <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• status.mashme.io• skolkovo.mashme.io <p>syncrtc.com:</p> <ul style="list-style-type: none">• turn.syncrtc.com• sentry.syncrtc.com• kxctl-europe-north1.syncrtc.com <p>Others:</p> <ul style="list-style-type: none">• stun.l.google.com• freshchat.com• help.mashme.io• storage.googleapis.com <p>Allow websocket protocol.</p> |
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For further technical information email: support@mashme.io