

# Add nodes to the Mesh on MESHdesk

After you have:

1. Flashed and pointed your devices with the Mesh Config Utility
2. Placed and plugged in your devices on site.
3. Created a Mesh in MESHdesk

you can now add your devices to your Mesh:

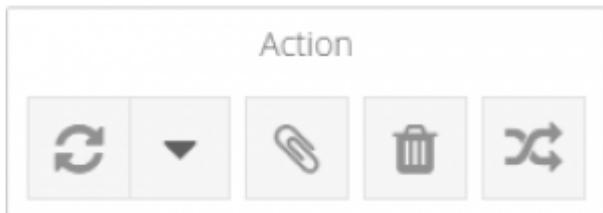
- Click on the MESHdesk icon on the Radiusdesk home page. The MESHdesk window opens.



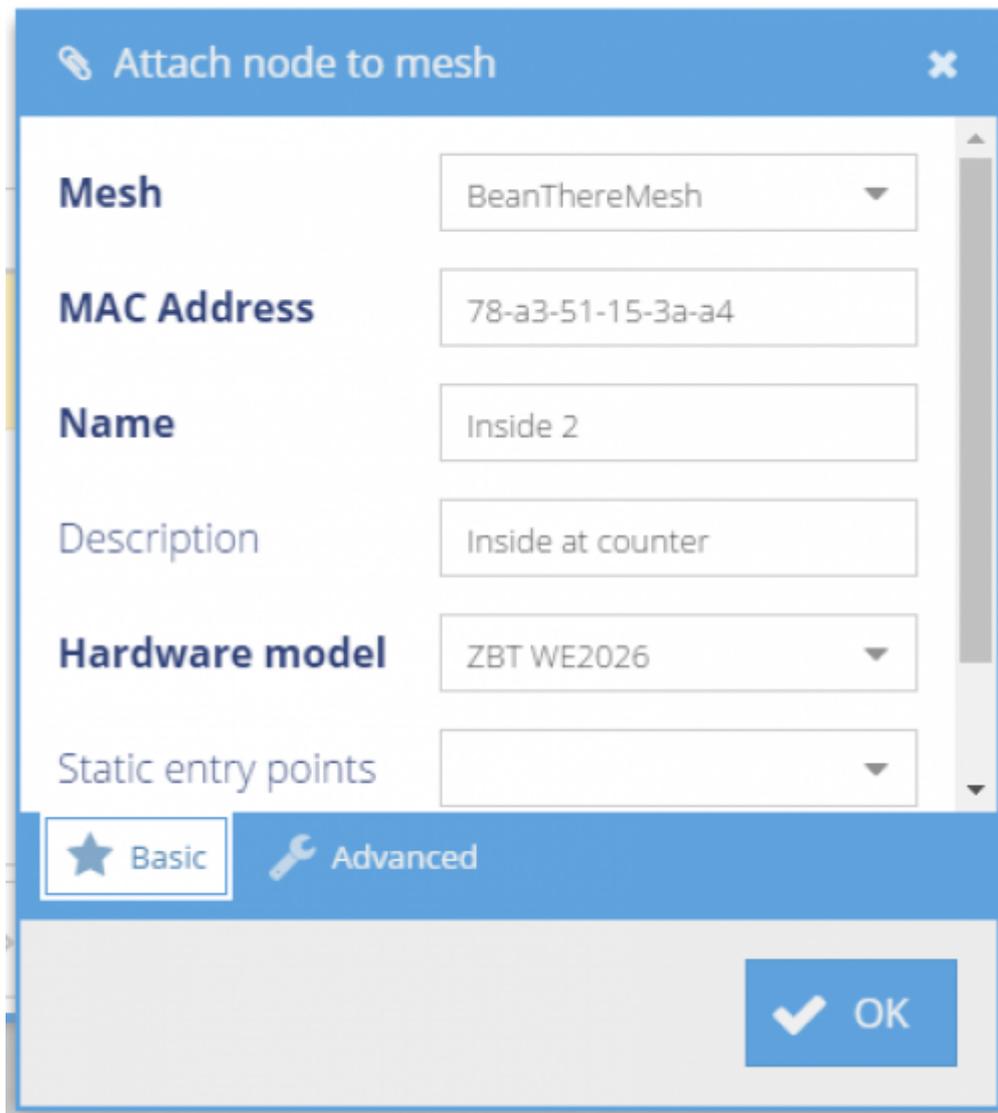
- Click on the **Unknown Nodes** tab.

The screenshot shows the MESHdesk web interface. At the top, there's a blue header with the MESHdesk logo and name. Below that, there are three tabs: "Meshes", "Known\_Nodes", and "Unknown Nodes" (which is selected). Under the "Unknown Nodes" tab, there's an "Action" toolbar with icons for refresh, dropdown, attach, delete, and refresh. Below the toolbar is a table with the following columns: "MAC Address", "Vendor", "Last contact", "From IP", "Gateway", and "Redirect To". There are two rows of data in the table. The first row has a MAC address starting with "78-A3-51-15-37...", vendor "Shenzhen # SHE...", last contact "8 minutes ago", from IP "197.82.220.41", gateway "No", and a "Redirect To" field containing "Bloemfontein (93 South Africa (ZA))". The second row has a MAC address starting with "78-A3-51-15-36...", vendor "Shenzhen # SHE...", last contact "9 minutes ago", from IP "197.82.220.41", gateway "No", and a "Redirect To" field containing "Bloemfontein (93 South Africa (ZA))". At the bottom of the interface, there's a pagination bar showing "Page 1 of 1" and "Displaying 1 - 2 of 2".

- Your flashed devices should be automatically detected and listed under Unknown Nodes.
- MESHdesk also automatically detects if a node is connected to a gateway (Ethernet cable etc), thus showing you your primary node.
- Click on the node with the **“yes”** under the **“gateway”** column, the primary node, first and click the **Attach** Icon in the Actions Toolbar



- The Attach Node to Mesh window opens.



- Select your mesh e.g. Bean There Mesh
- The MAC address is automatically filled in.
- Fill in a **Name** and a **description** of which node it is, e.g. Primary node main office. The more descriptive you are, the easier the nodes are to manage later.
- Select the hardware model of the node.
- The Advanced Settings are loaded by default according to the chosen hardware. Thus we advise you leave the **Advanced Tab** untouched,
- **Static Entry points** are an option if you want a fixed SSID at one node or a different SSID for each node.
- Static Entry points only works when **“Apply to all Nodes”** was **selected** during Entry point

creation.

- Static Exit points only works if **“auto-detect”** is **deselected** during Exit Points creation.
- If the above two settings are correct, select a static Entry and/or Exit point.
- Click OK
- The node has now been added as a Known Node.
- The node will take a few minutes to load its new settings.
- Click on the Known Nodes tab in the MESHdesk window. The Node should now be listed here.
- **“Last contact”** should soon change from **“never”** to **“30 seconds ago”** as the node joins the mesh.

From:

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