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<mxfile host="65bd71144e">
  <diagram name="Page-1" id="auu-L-ezzE6xjb8iTqmj">
          <mxGraphModel dx="3021" dy="1437" grid="1" gridSize="10" guides="1" tooltips="1"</pre>
connect="1" arrows="1" fold="1" page="1" pageScale="1" pageWidth="850" pageHeight="1100"
math="0" shadow="0">
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         <mxCell id="1" parent="0"/>
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                                                              id="YaDuqlvMESt84pDY1Rs2-3"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1" source="YaDuqlvMESt84pDY1Rs2-2" edge="1">
           <mxGeometry relative="1" as="geometry">
              <mxPoint x="260" y="349" as="targetPoint"/>
           </mxGeometry>
         </mxCell>
                                     <mxCell id="YaDuqlvMESt84pDY1Rs2-4" value="Task"</pre>
style="edgeLabel;html=1;align=center;verticalAlign=middle;resizable=0;points=[];"
parent="YaDuqlvMESt84pDY1Rs2-3" vertex="1" connectable="0">
           <mxGeometry x="0.0053" relative="1" as="geometry">
              <mxPoint as="offset"/>
           </mxGeometry>
         </mxCell>
                                     <mxCell id="YaDuqlvMESt84pDY1Rs2-2" value="Actor"
style="shape=umlActor;verticalLabelPosition=bottom;verticalAlign=top;html=1;outlineConnect=0;"
parent="1" vertex="1">
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<mxGeometry x="-150" y="310" width="30" height="60" as="geometry"/>

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style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;exitX=1 ;exitY=0.5;exitDx=0;exitDy=0;exitPerimeter=0;entryX=0;entryY=0.5;entryDx=0;entryDy=0;entryPerimeter=0;" parent="1" source="YaDuqlvMESt84pDY1Rs2-5" target="YaDuqlvMESt84pDY1Rs2-11" edge="1">

<mxGeometry relative="1" as="geometry"/>

</mxCell>

01 [0 = 0 0] [0 7= 0 0] [4 0 0] [0 4 0] [0 2= 4 0] [0 = 4 0] [0 7= 4

id="YaDuqlvMESt84pDY1Rs2-5"

value=""

style="sketch=0;points=[[0,0,0],[0.25,0,0],[0.5,0,0],[0.75,0,0],[1,0,0],[0,1,0],[0.25,1,0],[0.5,1,0],[0.75,1,0],[0.75,1,0],[1,1,0],[0,0.25,0],[0,0.5,0],[1,0.25,0],[1,0.5,0],[1,0.75,0]];outlineConnect=0;fontColor=#2 32F3E;fillColor=#8C4FFF;strokeColor=#ffffff;dashed=0;verticalLabelPosition=bottom;verticalAlign=t op;align=center;html=1;fontSize=12;fontStyle=0;aspect=fixed;shape=mxgraph.aws4.resourceIcon;re slcon=mxgraph.aws4.route 53;" parent="1" vertex="1">

<mxCell

<mxGeometry x="260" y="301" width="78" height="78" as="geometry"/>
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<mxCell id="YaDuqlvMESt84pDY1Rs2-6" value="DNS Management for

api.swarms.world"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;" parent="1" vertex="1">

<mxGeometry x="180" y="408" width="240" height="30" as="geometry"/>

</mxCell>

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style="outlineConnect=0;dashed=0;verticalLabelPosition=bottom;verticalAlign=top;align=center;html =1;shape=mxgraph.aws3.application\_load\_balancer;fillColor=#F58534;gradientColor=none;shadow =1;" parent="1" vertex="1">

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</mxCell>
                <UserObject label="https://skypilot.readthedocs.io/en/latest/serving/sky-serve.html"</p>
link="https://skypilot.readthedocs.io/en/latest/serving/sky-serve.html"
id="YaDuqlvMESt84pDY1Rs2-8">
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style="rounded=0;whiteSpace=wrap;html=1;opacity=10;strokeWidth=6;strokeColor=#ff0000;movabl
e=0;resizable=0;rotatable=0;deletable=0;editable=0;locked=1;connectable=0;"
                                                                                    parent="1"
vertex="1">
              <mxGeometry x="490" y="150" width="1410" height="765" as="geometry"/>
           </mxCell>
         </UserObject>
                                  <mxCell id="YaDuqlvMESt84pDY1Rs2-10" value="Skypilot"</pre>
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">
           <mxGeometry x="865" y="118" width="70" height="30" as="geometry"/>
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                                                   <mxCell
                                                              id="YaDuqlvMESt84pDY1Rs2-16"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1"
               source="YaDuqlvMESt84pDY1Rs2-11"
                                                          target="YaDuglvMESt84pDY1Rs2-13"
edge="1">
           <mxGeometry relative="1" as="geometry">
              <Array as="points">
                <mxPoint x="620" y="330"/>
              </Array>
           </mxGeometry>
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<mxGeometry x="590" y="410" width="69" height="72" as="geometry"/>

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</mxCell>
                                                 <mxCell
                                                            id="YaDuqlvMESt84pDY1Rs2-21"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1"
               source="YaDuglvMESt84pDY1Rs2-11"
                                                        target="YaDuglvMESt84pDY1Rs2-17"
edge="1">
           <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                 <mxCell
                                                            id="YaDuqlvMESt84pDY1Rs2-22"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
               source="YaDuqlvMESt84pDY1Rs2-11"
                                                        target="YaDuglvMESt84pDY1Rs2-19"
parent="1"
edge="1">
           <mxGeometry relative="1" as="geometry">
             <Array as="points">
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             </Array>
           </mxGeometry>
         </mxCell>
                                                 id="YaDuqlvMESt84pDY1Rs2-11"
                                        <mxCell
style="outlineConnect=0;dashed=0;verticalLabelPosition=bottom;verticalAlign=top;align=center;html"
=1;shape=mxgraph.aws3.classic_load_balancer;fillColor=#F58534;gradientColor=none;" parent="1"
vertex="1">
           <mxGeometry x="540" y="400" width="160" height="150" as="geometry"/>
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<mxCell id="YaDuqlvMESt84pDY1Rs2-12" value="EC2 Load Balancer"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">

</mxCell>

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<mxGeometry x="555" y="560" width="130" height="30" as="geometry"/>
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parent="1"
              source="YaDuqlvMESt84pDY1Rs2-13"
                                                       target="YaDuglvMESt84pDY1Rs2-24"
edge="1">
           <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                <mxCell
                                                           id="YaDuqlvMESt84pDY1Rs2-31"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1"
               source="YaDuqlvMESt84pDY1Rs2-13"
                                                       target="YaDuglvMESt84pDY1Rs2-26"
edge="1">
           <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                <mxCell
                                                           id="YaDuqlvMESt84pDY1Rs2-34"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1"
               source="YaDuqlvMESt84pDY1Rs2-13"
                                                       target="YaDuqlvMESt84pDY1Rs2-27"
edge="1">
           <mxGeometry relative="1" as="geometry">
             <Array as="points">
               <mxPoint x="992" y="451"/>
             </Array>
           </mxGeometry>
         </mxCell>
                                                 id="YaDuqlvMESt84pDY1Rs2-13"
                                       <mxCell
                                                                                  value=""
```

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon

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nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application_server;fillColor=#ECECEC;
strokeColor=#3F205E;aspect=fixed; parent="1" vertex="1">
           <mxGeometry x="930" y="246" width="123" height="124" as="geometry"/>
         </mxCell>
                      <mxCell id="YaDuqlvMESt84pDY1Rs2-14" value="EC2 Sky Pilot Serve</pre>
                                                                           Cluster]</div&gt;"
Controller<div&gt;[Kubernetes
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">
           <mxGeometry x="900" y="375" width="190" height="40" as="geometry"/>
         </mxCell>
                                                  id="YaDuqlvMESt84pDY1Rs2-17"
                                         <mxCell
style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon
nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application_server;fillColor=#ECECEC;
strokeColor=#3F205E;aspect=fixed;" parent="1" vertex="1">
           <mxGeometry x="933.5" y="488" width="123" height="124" as="geometry"/>
         </mxCell>
                      <mxCell id="YaDuqlvMESt84pDY1Rs2-18" value="EC2 Sky Pilot Serve</pre>
Controller<div&gt;[Kubernetes
                                                                           Cluster]&lt:/div&qt:"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">
           <mxGeometry x="900" y="630" width="190" height="40" as="geometry"/>
         </mxCell>
                                                  <mxCell
                                                             id="YaDuqlvMESt84pDY1Rs2-43"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1"
               source="YaDuqlvMESt84pDY1Rs2-19"
                                                         target="YaDuglvMESt84pDY1Rs2-37"
```

edge="1">

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<mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                            id="YaDuqlvMESt84pDY1Rs2-44"
                                                 <mxCell
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1"
               source="YaDuqlvMESt84pDY1Rs2-19"
                                                        target="YaDuqlvMESt84pDY1Rs2-39"
edge="1">
           <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                 <mxCell
                                                            id="YaDuqlvMESt84pDY1Rs2-45"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
               source="YaDuqlvMESt84pDY1Rs2-19"
                                                        target="YaDuglvMESt84pDY1Rs2-40"
parent="1"
edge="1">
           <mxGeometry relative="1" as="geometry">
             <Array as="points">
                <mxPoint x="1001" y="890"/>
             </Array>
           </mxGeometry>
         </mxCell>
                                                 id="YaDuglvMESt84pDY1Rs2-19"
                                                                                   value=""
                                        <mxCell
style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon
nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application_server;fillColor=#ECECEC;
strokeColor=#3F205E;aspect=fixed;" parent="1" vertex="1">
           <mxGeometry x="940" y="700" width="123" height="124" as="geometry"/>
         </mxCell>
                      <mxCell id="YaDuqlvMESt84pDY1Rs2-20" value="EC2 Sky Pilot Serve</pre>
Controller<div&qt;[Kubernetes
                                                                         Cluster]</div&qt;"
```

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;" parent="1" vertex="1">

<mxGeometry x="920" y="830" width="190" height="40" as="geometry"/> </mxCell>

<mxCell id="YaDuqlvMESt84pDY1Rs2-24" value=""</pre>

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineConnect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;strokeColor=#82b366;aspect=fixed;" parent="1" vertex="1">

<mxGeometry x="1170" y="200" width="61.5" height="62" as="geometry"/> </mxCell>

<mxCell id="YaDuqlvMESt84pDY1Rs2-25" value="EC2 Sky Pilot Serve

Replica<div&gt;[Kubernetes

Cluster]</div&gt;"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;" parent="1" vertex="1">

<mxGeometry x="1115.75" y="270" width="170" height="40" as="geometry"/>
</mxCell>

<mxCell id="YaDuqlvMESt84pDY1Rs2-26" value=""</pre>

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<mxGeometry x="1170" y="317" width="61.5" height="62" as="geometry"/> </mxCell>

<mxCell id="YaDuqlvMESt84pDY1Rs2-27" value=""</pre>

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineConnect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;strokeColor=#82b366;aspect=fixed;" parent="1" vertex="1">

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</mxCell>
                      <mxCell id="YaDuqlvMESt84pDY1Rs2-28" value="EC2 Sky Pilot Serve</pre>
Replica<div&gt;[Kubernetes
                                                                           Cluster]</div&qt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">
           <mxGeometry x="1125.75" y="380" width="170" height="40" as="geometry"/>
         </mxCell>
                      <mxCell id="YaDuqlvMESt84pDY1Rs2-29" value="EC2 Sky Pilot Serve</pre>
Replica<div&gt;[Kubernetes
                                                                           Cluster]</div&qt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">
           <mxGeometry x="1115.75" y="480" width="170" height="40" as="geometry"/>
         </mxCell>
                                                  <mxCell
                                                             id="YaDuqIvMESt84pDY1Rs2-35"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1" target="YaDuqlvMESt84pDY1Rs2-37" edge="1">
           <mxGeometry relative="1" as="geometry">
              <mxPoint x="1073.63" y="748" as="sourcePoint"/>
           </mxGeometry>
         </mxCell>
                                                  <mxCell
                                                             id="YaDuqlvMESt84pDY1Rs2-36"
style="edgeStyle=orthogonalEdgeStyle;rounded=0;orthogonalLoop=1;jettySize=auto;html=1;"
parent="1" target="YaDuqlvMESt84pDY1Rs2-39" edge="1">
           <mxGeometry relative="1" as="geometry">
              <mxPoint x="1073.63" y="748" as="sourcePoint"/>
```

<mxGeometry x="1170" y="420" width="61.5" height="62" as="geometry"/>

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</mxGeometry>
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</mxCell>

<mxCell id="YaDuqlvMESt84pDY1Rs2-37" value=""

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;str okeColor=#82b366;aspect=fixed;" parent="1" vertex="1">

<mxGeometry x="1190.63" y="640" width="61.5" height="62" as="geometry"/>
</mxCell>

<mxCell id="YaDuqlvMESt84pDY1Rs2-38" value="EC2 Sky Pilot Serve</p>

Replica<div&gt;[Kubernetes

Cluster]</div&gt;"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;" parent="1" vertex="1">

<mxGeometry x="1136.38" y="710" width="170" height="40" as="geometry"/> </mxCell>

<mxCell id="YaDuqlvMESt84pDY1Rs2-39" value=""

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineConnect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;strokeColor=#82b366;aspect=fixed;" parent="1" vertex="1">

<mxGeometry x="1190.63" y="757" width="61.5" height="62" as="geometry"/>
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<mxCell id="YaDuqlvMESt84pDY1Rs2-40" value=""</pre>

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineConnect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;strokeColor=#82b366;aspect=fixed;" parent="1" vertex="1">

<mxGeometry x="1190.63" y="860" width="61.5" height="62" as="geometry"/>
</mxCell>

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<mxCell id="YaDuqlvMESt84pDY1Rs2-41" value="EC2 Sky Pilot Serve</pre>
Replica<div&gt;[Kubernetes
                                                                           Cluster]</div&gt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">
           <mxGeometry x="1146.38" y="820" width="170" height="40" as="geometry"/>
         </mxCell>
                      <mxCell id="YaDuqlvMESt84pDY1Rs2-42" value="EC2 Sky Pilot Serve</pre>
Replica<div&gt;[Kubernetes
                                                                           Cluster]</div&qt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;" parent="1" vertex="1">
           <mxGeometry x="1136.38" y="920" width="170" height="40" as="geometry"/>
         </mxCell>
       </root>
    </mxGraphModel>
  </diagram>
  <diagram id="o2kH5qKtdpDKY_vggKhU" name="Page-2">
          <mxGraphModel dx="2450" dy="1059" grid="0" gridSize="10" guides="1" tooltips="1"</pre>
connect="1" arrows="1" fold="1" page="1" pageScale="1" pageWidth="850" pageHeight="1100"
background="none" math="0" shadow="1">
       <root>
         <mxCell id="0"/>
         <mxCell id="1" parent="0"/>
                                                        <mxCell
                                                                   id="w--seLf4fglY1tGCu-gl-1"
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<mxPoint x="260" y="348.999999999998" as="targetPoint"/>
                             </mxGeometry>
                       </mxCell>
                                                                                                                                  id="w--seLf4fglY1tGCu-gl-2"
                                                                                                                                                                                                          value="Task"
                                                                                                         <mxCell
style="edgeLabel;html=1;align=center;verticalAlign=middle;resizable=0;points=[];rounded=1;"
vertex="1" connectable="0" parent="w--seLf4fglY1tGCu-gl-1">
                             <mxGeometry x="0.0053" relative="1" as="geometry">
                                   <mxPoint as="offset"/>
                             </mxGeometry>
                       </mxCell>
                                                                                                                                 id="w--seLf4fqlY1tGCu-ql-3"
                                                                                                                                                                                                          value="Actor"
                                                                                                        <mxCell
style="shape=umlActor;verticalLabelPosition=bottom;verticalAlign=top;html=1;outlineConnect=0;rou
nded=1;" vertex="1" parent="1">
                             <mxGeometry x="-150" y="310" width="30" height="60" as="geometry"/>
                       </mxCell>
                                                                                                                                            <mxCell
                                                                                                                                                                        id="w--seLf4fglY1tGCu-gl-4"
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;exitX=1
;exitY=0.5;exitDx=0;exitDy=0;exitPerimeter=0;entryX=0;entryY=0.5;entryDx=0;entryDy=0;entryPeri
meter=0;" edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-5" target="w--seLf4fglY1tGCu-gl-12">
                             <mxGeometry relative="1" as="geometry"/>
                       </mxCell>
                                                                                                                   <mxCell
                                                                                                                                             id="w--seLf4fglY1tGCu-gl-5"
                                                                                                                                                                                                                      value=""
style="points=[[0,0,0],[0.25,0,0],[0.5,0,0],[0.75,0,0],[1,0,0],[0,1,0],[0.25,1,0],[0.5,1,0],[0.75,1,0],[1,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,0],[0.75,1,
[0,0.25,0],[0,0.5,0],[0,0.75,0],[1,0.25,0],[1,0.5,0],[1,0.75,0]];outlineConnect=0;fontColor=#232F3E;fill
Color=#8C4FFF;strokeColor=#ffffff;dashed=0;verticalLabelPosition=bottom;verticalAlign=top;align=c
```

enter;html=1;fontSize=12;fontStyle=0;aspect=fixed;shape=mxgraph.aws4.resourcelcon;reslcon=mx

```
graph.aws4.route_53;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="260" y="301" width="78" height="78" as="geometry"/>
         </mxCell>
            <mxCell id="w--seLf4fglY1tGCu-gl-6" value="DNS Management for api.swarms.world"</pre>
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="180" y="408" width="240" height="30" as="geometry"/>
         </mxCell>
                                               <mxCell
                                                         id="w--seLf4fglY1tGCu-gl-7"
                                                                                       value=""
style="outlineConnect=0;dashed=0;verticalLabelPosition=bottom;verticalAlign=top;align=center;html"
=1;shape=mxgraph.aws3.application_load_balancer;fillColor=#F58534;gradientColor=none;shadow
=1;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="590" y="410" width="69" height="72" as="geometry"/>
         </mxCell>
                      <mxCell id="w--seLf4fglY1tGCu-gl-8" value="&lt;font style=&quot;font-size:</pre>
37px;">Skypilot</font&gt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="826" y="105" width="148" height="56" as="geometry"/>
         </mxCell>
                                                                    id="w--seLf4fqlY1tGCu-ql-9"
                                                         <mxCell
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-12" target="w--seLf4fglY1tGCu-gl-17">
            <mxGeometry relative="1" as="geometry">
              <Array as="points">
                <mxPoint x="620" y="330"/>
```

```
</Array>
            </mxGeometry>
         </mxCell>
                                                        <mxCell
                                                                   id="w--seLf4fglY1tGCu-gl-10"
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-12" target="w--seLf4fglY1tGCu-gl-19">
            <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                                   id="w--seLf4fglY1tGCu-gl-11"
                                                        <mxCell
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-12" target="w--seLf4fglY1tGCu-gl-24">
            <mxGeometry relative="1" as="geometry">
              <Array as="points">
                <mxPoint x="620" y="730"/>
              </Array>
            </mxGeometry>
         </mxCell>
                                              <mxCell
                                                        id="w--seLf4fglY1tGCu-gl-12"
                                                                                       value=""
style="outlineConnect=0;dashed=0;verticalLabelPosition=bottom;verticalAlign=top;align=center;html"
=1;shape=mxgraph.aws3.classic_load_balancer;fillColor=#F58534;gradientColor=none;rounded=1;"
vertex="1" parent="1">
            <mxGeometry x="540" y="400" width="160" height="150" as="geometry"/>
         </mxCell>
                       <mxCell id="w--seLf4fglY1tGCu-gl-13" value="api.swarms.world/v1/proxy"</pre>
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
```

```
<mxGeometry x="541" y="562" width="159" height="26" as="geometry"/>
         </mxCell>
                                                                  id="w--seLf4fglY1tGCu-gl-14"
                                                       <mxCell
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-17" target="w--seLf4fglY1tGCu-gl-26">
           <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                       <mxCell
                                                                  id="w--seLf4fglY1tGCu-gl-15"
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-17" target="w--seLf4fglY1tGCu-gl-28">
           <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                       <mxCell
                                                                  id="w--seLf4fglY1tGCu-gl-16"
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-17" target="w--seLf4fglY1tGCu-gl-29">
           <mxGeometry relative="1" as="geometry">
              <Array as="points">
                <mxPoint x="992" y="451"/>
              </Array>
           </mxGeometry>
         </mxCell>
                                             <mxCell
                                                       id="w--seLf4fglY1tGCu-gl-17"
                                                                                      value=""
style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon
nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application_server;fillColor=#ECECEC;
strokeColor=#3F205E;aspect=fixed;rounded=1;" vertex="1" parent="1">
           <mxGeometry x="930" y="246" width="123" height="124" as="geometry"/>
```

```
</mxCell>
```

```
<mxCell id="w--seLf4fglY1tGCu-gl-18" value="EC2 Sky Pilot Serve</pre>
Controller<div&gt;[Kubernetes
                                                                             Cluster]</div&gt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="900" y="375" width="190" height="40" as="geometry"/>
         </mxCell>
                                              <mxCell
                                                        id="w--seLf4fglY1tGCu-gl-19"
                                                                                       value=""
style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon
nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application server;fillColor=#ECECEC;
strokeColor=#3F205E;aspect=fixed;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="933.5" y="488" width="123" height="124" as="geometry"/>
         </mxCell>
                          <mxCell id="w--seLf4fglY1tGCu-gl-20" value="EC2 Sky Pilot Serve</pre>
Controller<div&gt;[Kubernetes
                                                                             Cluster]</div&qt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="900" y="630" width="190" height="40" as="geometry"/>
         </mxCell>
                                                        <mxCell
                                                                   id="w--seLf4fglY1tGCu-gl-21"
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-24" target="w--seLf4fglY1tGCu-gl-34">
            <mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                        <mxCell
                                                                   id="w--seLf4fglY1tGCu-gl-22"
```

style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"

```
<mxGeometry relative="1" as="geometry"/>
         </mxCell>
                                                                   id="w--seLf4fglY1tGCu-gl-23"
                                                       <mxCell
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-24" target="w--seLf4fglY1tGCu-gl-37">
            <mxGeometry relative="1" as="geometry">
              <Array as="points">
                <mxPoint x="1001" y="890"/>
              </Array>
            </mxGeometry>
         </mxCell>
                                             <mxCell
                                                        id="w--seLf4fglY1tGCu-gl-24"
                                                                                       value=""
style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon
nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application_server;fillColor=#ECECEC;
strokeColor=#3F205E;aspect=fixed;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="940" y="700" width="123" height="124" as="geometry"/>
         </mxCell>
                          <mxCell id="w--seLf4fglY1tGCu-gl-25" value="EC2 Sky Pilot Serve</pre>
Controller<div&gt;[Kubernetes
                                                                            Cluster]</div&qt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
            <mxGeometry x="920" y="830" width="190" height="40" as="geometry"/>
         </mxCell>
                                                        id="w--seLf4fglY1tGCu-gl-26"
                                             <mxCell
                                                                                       value=""
style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon
```

edge="1" parent="1" source="w--seLf4fglY1tGCu-gl-24" target="w--seLf4fglY1tGCu-gl-36">

nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;str okeColor=#82b366;aspect=fixed;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1170" y="200" width="61.5" height="62" as="geometry"/> </mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-27" value="EC2 Sky Pilot Serve</pre>

Replica<div&gt;[Kubernetes

Cluster]</div&gt;"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1115.75" y="270" width="170" height="40" as="geometry"/>
</mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-28" value=""

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineConnect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;strokeColor=#82b366;aspect=fixed;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1170" y="317" width="61.5" height="62" as="geometry"/> </mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-29" value=""</pre>

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;str okeColor=#82b366;aspect=fixed;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1170" y="420" width="61.5" height="62" as="geometry"/> </mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-30" value="EC2 Sky Pilot Serve</pre>

Replica<div&gt;[Kubernetes

Cluster]</div&gt;"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;rounded=1;" vertex="1" parent="1">

```
<mxGeometry x="1125.75" y="380" width="170" height="40" as="geometry"/>
         </mxCell>
                          <mxCell id="w--seLf4fglY1tGCu-gl-31" value="EC2 Sky Pilot Serve</pre>
Replica<div&gt;[Kubernetes
                                                                            Cluster]</div&qt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
           <mxGeometry x="1115.75" y="480" width="170" height="40" as="geometry"/>
         </mxCell>
                                                                  id="w--seLf4fglY1tGCu-gl-32"
                                                       <mxCell
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" target="w--seLf4fglY1tGCu-gl-34">
           <mxGeometry relative="1" as="geometry">
              <mxPoint x="1073.63" y="748" as="sourcePoint"/>
           </mxGeometry>
         </mxCell>
                                                       <mxCell
                                                                  id="w--seLf4fglY1tGCu-gl-33"
style="edgeStyle=orthogonalEdgeStyle;rounded=1;orthogonalLoop=1;jettySize=auto;html=1;"
edge="1" parent="1" target="w--seLf4fglY1tGCu-gl-36">
           <mxGeometry relative="1" as="geometry">
              <mxPoint x="1073.63" y="748" as="sourcePoint"/>
           </mxGeometry>
         </mxCell>
                                             <mxCell
                                                       id="w--seLf4fglY1tGCu-gl-34"
                                                                                      value=""
style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineCon
nect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application_server;fillColor=#d5e8d4;str
```

okeColor=#82b366;aspect=fixed;rounded=1;" vertex="1" parent="1">

```
<mxGeometry x="1190.63" y="640" width="61.5" height="62" as="geometry"/>
</mxCell>
```

<mxCell id="w--seLf4fglY1tGCu-gl-35" value="EC2 Sky Pilot Serve</pre>

Replica<div&gt;[Kubernetes

Cluster]</div&gt;"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1136.38" y="710" width="170" height="40" as="geometry"/> </mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-36" value=""</pre>

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineConnect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;strokeColor=#82b366;aspect=fixed;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1190.63" y="757" width="61.5" height="62" as="geometry"/>
</mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-37" value=""

style="verticalLabelPosition=bottom;html=1;verticalAlign=top;strokeWidth=1;align=center;outlineConnect=0;dashed=0;outlineConnect=0;shape=mxgraph.aws3d.application\_server;fillColor=#d5e8d4;strokeColor=#82b366;aspect=fixed;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1190.63" y="860" width="61.5" height="62" as="geometry"/>
</mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-38" value="EC2 Sky Pilot Serve</pre>

Replica<div&gt;[Kubernetes

Cluster]</div&gt;"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1146.38" y="820" width="170" height="40" as="geometry"/>
</mxCell>

```
<mxCell id="w--seLf4fglY1tGCu-gl-39" value="EC2 Sky Pilot Serve</pre>
```

```
Replica<div&gt;[Kubernetes
```

Cluster]</div&gt;"

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;rounded=1;" vertex="1" parent="1">

<mxGeometry x="1136.38" y="920" width="170" height="40" as="geometry"/> </mxCell>

<mxGeometry x="239" y="260" width="120" height="30" as="geometry"/> </mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-41" value=""

style="whiteSpace=wrap;html=1;opacity=10;fillColor=#0050ef;fontColor=#ffffff;strokeColor=#001DB

C;movable=0;resizable=0;rotatable=0;deletable=0;editable=0;connectable=0;"

vertex="1"

parent="1">

<mxGeometry x="855" y="164" width="526" height="854" as="geometry"/> </mxCell>

<mxGeometry x="575" y="363" width="90" height="30" as="geometry"/> </mxCell>

<mxCell id="w--seLf4fglY1tGCu-gl-43" value="&lt;span style=&quot;font-size:
37px;&quot;&gt;Llava3&lt;/span&gt;"</pre>

style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n one;fillColor=none;rounded=1;" vertex="1" parent="1">

```
<mxGeometry x="928.5" y="183" width="127" height="56" as="geometry"/>
         </mxCell>
                    <mxCell id="w--seLf4fglY1tGCu-gl-44" value="&lt;span style=&quot;font-size:</pre>
37px;">COGVLM</span&gt;"
style="text;html=1;align=center;verticalAlign=middle;resizable=0;points=[];autosize=1;strokeColor=n
one;fillColor=none;rounded=1;" vertex="1" parent="1">
           <mxGeometry x="908.5" y="426" width="178" height="56" as="geometry"/>
         </mxCell>
         <mxCell id="w--seLf4fglY1tGCu-gl-45" value="# Todo&lt;br&gt;- Move Subdomain hosting</pre>
to route 53<br&gt;- Move Proxy to lambda functions for scalability&lt;br&gt;- Extreme profiling and
monitoring
                               of
                                                      clusters <br&gt;-&amp;nbsp;"
style="rounded=1;whiteSpace=wrap;html=1;fontSize=37;opacity=10;fillColor=#d80073;fontColor=#ff
ffff;strokeColor=#A50040;align=left;" vertex="1" parent="1">
           <mxGeometry x="-178" y="658" width="587" height="329" as="geometry"/>
         </mxCell>
       </root>
    </mxGraphModel>
  </diagram>
</mxfile>
```