

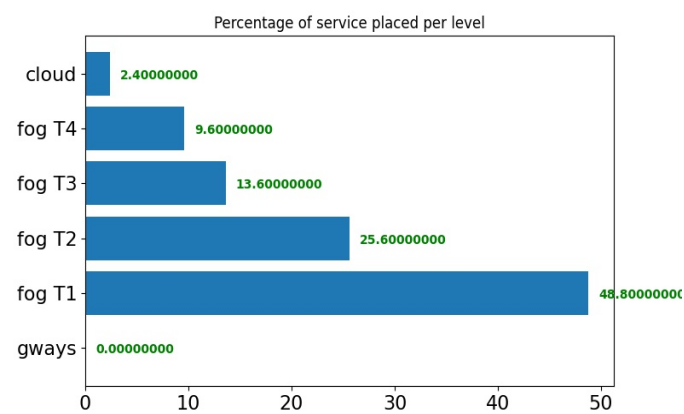
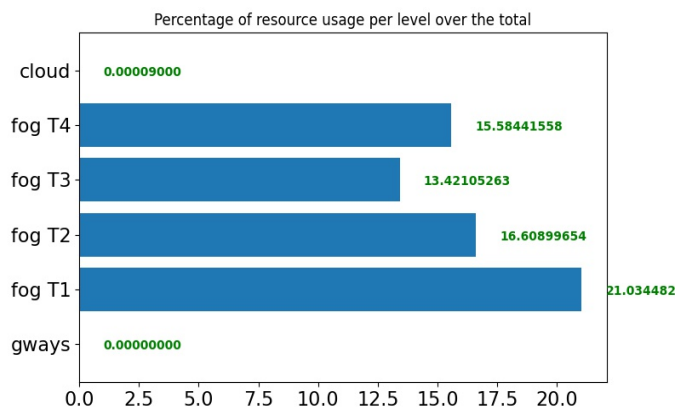
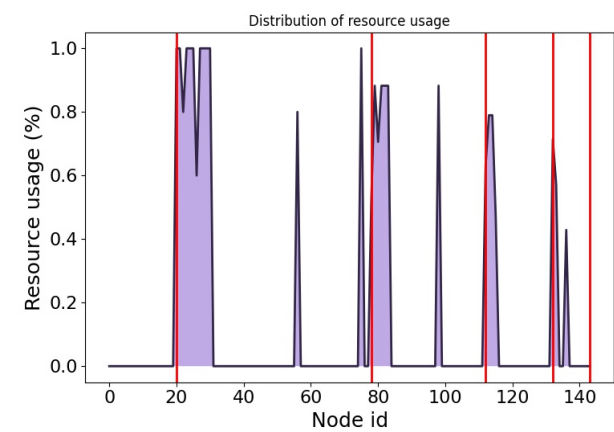
Simulation - 12/07/2021 12:05:47

Experiment Configuration:

Description: The number of nodes at the upper levels decreases by a factor of 1.7

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IOT_DEVICES_NUM: 100
NETWORK_LEVELS_NUM: 7
REDUCTION_FACTOR_1: 5
LINK_GENERATION_PROBABILITY_FOG0: 0
REDUCTION_FACTOR_2: 1.7
HUB_GENERATION_PROBABILITY: 0.1
ALL_TO_CLOUD: False
MIN_CONN_TO_UPPER_LEVELS: 20
MAX_CONN_TO_UPPER_LEVELS: 30
PRIVACY_ASSIGNMENT: random.randrange(0,100) <= 20
FUNC_NODE_RAM_FOG0: 15
FUNC_NODE_RAM_FOG1: 17
FUNC_NODE_RAM_FOG2: 19
FUNC_NODE_RAM_FOG3: 21
FUNC_NODE_RAM_CLOUD: 9999999
FUNC_NODE_IPT_FOG0: 200
FUNC_NODE_IPT_FOG1: 400
FUNC_NODE_IPT_FOG2: 600
FUNC_NODE_IPT_FOG3: 800
FUNC_NODE_IPT_CLOUD: 9999
FUNC_EDGE_PR_SAME_LEVEL: 17
FUNC_EDGE_PR_ADJ_LEVEL: 7
FUNC_EDGE_PR_NON_ADJ_LEVEL_1: 10
FUNC_EDGE_PR_NON_ADJ_LEVEL_2: 13
FUNC_EDGE_BW_SAME_LEVEL: 60000
FUNC_EDGE_BW_ADJ_LEVEL: 60000
FUNC_EDGE_BW_NON_ADJ_LEVEL_1: 60000
FUNC_EDGE_BW_NON_ADJ_LEVEL_2: 60000
NUMBER_OF_APPS: 20
FUNC_APP_GENERATION: nx.gn_graph(4)
FUNC_APP_DEADLINES: 80000
FUNC_SERVICE_RESOURCES: 3
FUNC_SERVICEINSTR: 40000
FUNC_SERVICEMESSAGESIZE: 3000000
FUNC_REQUESTPROB: 0.2
FUNC_USERREQRAT: 600
```

Service Placement Summary:



App successfully placed: 35
App to be placed: 80