

Bill of Materials (BoM) - Cost per year
Web components required for MyVivarium

Note: Many cloud-hosting services provide significant start-up discounts (free for a certain period of time) which can help users determine if the services are amenable to their budget and need. Users can shop around to determine what best suits their budget. By listing the specific vendors here, we do not imply any specific endorsement.

Component	Source	Monthly cost (in USD)	Annual Cost (in USD)	Weblink
Cloud server (1GB RAM, 25GB SSD, 1 TB Transfer, 1 Core Processor)	Digital Ocean	\$6.00	\$72.00	https://www.digitalocean.com/pricing/droplets

Many domain name registrars are available to users at varying levels of cost depending on the market value of the domain name. For example domains ending with **.com** usually are on the expensive end. Less commonly used domains such as **.work** would fall on the lower end of the cost spectrum. We have used namecheap (<https://www.namecheap.com/>) and Cloudflare (<https://developers.cloudflare.com/registrar/>) to purchase domain names.

Bill of Materials (BoM)

Electronic Components required for MyVivarium Rpi-IoT system

	Component	Source	Product ID / Catalog # / ASIN	Quantity	Unit Price (in USD)	Net Price (in USD)	Weblink
Raspberry Pi-related	Raspberry Pi 4 Model B - 2 GB RAM	Adafruit	4292	1	\$45.00	\$45.00	https://www.adafruit.com/product/4292
	PNY 128GB Premier-X Class 10 U3 V30 microSDXC Flash Memory Card	Amazon	B07K83HSLF	1	\$12.99	\$12.99	https://www.amazon.com/dp/B08RG6XJZD/
	Raspberry Pi 4 case with fan, power cable, and other accessories	Amazon	B0963HHSWK	1	\$15.89	\$15.89	https://www.amazon.com/dp/B0963HHSWK/
	OPTIONAL IF ALREADY AVAILABLE: Micro HDMI to HDMI Cable	Amazon	B06WWQ7KLV	1	\$8.99	\$8.99	https://www.amazon.com/dp/B06WWQ7KLV/
I ² C Sensors	SHT30 Temperature And Humidity Sensor - Wired Enclosed Shell	Adafruit	5064	1	\$8.95	\$8.95	https://www.adafruit.com/product/5064
	Adafruit VEML7700 Lux Sensor - I2C Light Sensor - STEMMA QT / Qwiic	Adafruit	4162	1	\$4.95	\$4.95	https://www.adafruit.com/product/4162
	Adafruit VL53L1X Time of Flight Distance Sensor - ~30 to 4000mm - STEMMA QT / Qwiic	Adafruit	3967	1	\$14.95	\$14.95	https://www.adafruit.com/product/3967
Wires and connectors	STEMMA QT / Qwiic JST SH 4-pin Cable with Premium Female Sockets - 150mm Long	Adafruit	4397	2	\$0.95	\$1.90	https://www.adafruit.com/product/4397
	STEMMA QT / Qwiic JST SH 4-Pin Cable - 400mm long	Adafruit	5385	1	\$1.50	\$1.50	https://www.adafruit.com/product/5385
	Premium Female/Male 'Extension' Jumper Wires - 20 x 12"	Adafruit	1952	1	\$3.95	\$3.95	https://www.adafruit.com/product/1952
					TOTAL	\$119.07	
					TOTAL WITHOUT OPTIONAL COMPONENT	\$110.08	