CREATE VIRTUAL AP FOR CAMPUS WITH MIKROTIK MIKROTIK WIKI

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How to configuration access point AP on MikroTik router?

What is the IP address of MikroTik AP? The default IP address 192.168. 88.1/24 is set on the bridge interface.

How do I enable wireless interface in MikroTik?

What is AP bridge mode in MikroTik? AP Bridge. The mode 'ap bridge' mode is used when you require an 802.11 compliant Access Point or a radio to provide Layer 2 bridging between it's ethernet port(s) and the wireless card.

How do I setup my router in AP mode?

What are the steps to configure access point?

What is the default username and password for MikroTik ap? Every router is factory pre-configured with the IP address 192.168. 88.1/24 on the ether1 port. The default username is admin with no password (or, for some models with password, check it on the sticker).

What is my AP IP address? On Windows Type "ipconfig" into Command Prompt and hit Enter. If you connect to the internet wirelessly (the most common method), you'll find the router IP address in the section "Wireless LAN Adapter Wi-Fi." If you're connected via Ethernet cable, look for the section "Ethernet Adapter Ethernet."

How to configure MikroTik router step by step?

What is the difference between access list and connect list in MikroTik? Access list is used by access point to restrict allowed connections from other devices, and to control connection parameters. Access List is use in Access Point • Connect List is used to assign priority and security settings to connections with remote access points and to restrict allowed connections.

How to setup wireless in MikroTik?

How to access MikroTik from outside network?

Should I use AP mode or bridge mode? Bridge mode is better than access point mode because it's more secure, flexible, and cost-effective—but only if you don't mind sacrificing some features like guest access or guest SSID management (which can be easily done by setting up virtual routers).

What is the difference between AP and AP bridge? The primary difference between bridges and access points is that bridges are more power efficient. This means that they can operate in bridge mode without consuming too much electricity, making them a good choice for low-power applications where you need to minimize your carbon footprint.

What is the default IP of MikroTik AP? Default IP address 192.168. 88.1/24 is set on the bridge interface. There are two possible options - as CPE and as AP. For CPE wireless interface is set in "station-bridge" mode, for AP "bridge" mode is used.

What happens if I put my router in AP mode? When your router is set to AP mode it functions as a repeater connecting to your router and broadcasting the same Wi-Fi signal.

Do all routers support AP mode? An access point, on the other hand, is a sub-device within the local area network that provides another location for devices to connect from and enables more devices to be on the network. Wireless routers can function as access points, but not all access points can work as routers.

How do I connect to AP mode?

How to make an access point from a router?

How many access points can I connect to a router? Many individual wireless routers and other access points can support up to approximately 250 connected devices. From a wired perspective, routers can accommodate a small number (usually between one and four) of wired Ethernet clients with the rest connected over wireless.

How to create an access point with a second router? Connect the two routers using an Ethernet cable. If both routers are wireless and will support a subnetwork, set the first router to channel 1 or 6 and the second to channel 11. Alternatively, set up the new router as a switch or access point by connecting the routers and updating the IP configuration.

How to configure mikrotik device point to point step by step?

How to configure mikrotik router for internet access?

How to configure Mikrotik WAP AC?

How to configure p2p on mikrotik?

What is the most commonly used water disinfection in the US? Chlorination is the most widely used method for disinfecting water supplies in the United States.

When must a water system be flushed and disinfected? An approved water system shall be flushed and disinfected after construction, repair, or modification and after an emergency situation, such as a flood, that may introduce contaminants to the system.

How to disinfect a water main? All water mains shall be disinfected using chlorine in the form of sodium hypochlorite dosed into treated drinking water. Sodium hypochlorite dosing shall be controlled to continually achieve the initial free chlorine residual prior to the chlorinated water entering the water main.

Why is chlorination in a distribution system good practice? Many public water systems add chlorine (a process known as "chlorination") to their water supply for the purpose of disinfection. Disinfection kills or inactivates harmful microorganisms which can cause illnesses such as typhoid, cholera, hepatitis and giardiasis.

What is the best method of water disinfection? Chlorine dioxide (ClO2) kills most waterborne pathogens, including Cryptosporidium oocysts, at practical doses and contact times. Several commercial ClO2 products are available in liquid or tablet form, but relatively few data are available on testing of these products for different water conditions.

What 3 chemicals are used to disinfect water? Most communities use either chlorine or chloramines. Some communities switch back and forth between chlorine and chloramines at different times of the year or for other operational reasons. Less commonly, utilities use other disinfectants, such as chlorine dioxide.

Which is the most common way that water treatment systems are disinfected? The most common method of disinfection is through the addition of chlorine to drinking water supplies. Chlorine effectively kills waterborne bacteria and viruses and continues to keep the water safe as it travels from the treatment plant to the consumer's tap.

How do you sanitize a water system? To clean your fresh water tank 1. Drain and flush out the fresh water tank 2. Remove any water purification equipment and water-filter cartridges 3. Use 1/4-cup of liquid household bleach (sodium hypochlorite) for every 15 gallons of fresh- water tank capacity.

How do you disinfect pipelines? There are various ways of disinfecting pipelines, but the most common is to use chlorine. The two forms of chlorine suitable for disinfecting pipelines are calcium hypochlorite and sodium hypochlorite.

How do you disinfect a water pipe and tank system? Add the calculated amount of bleach to the empty tank and fill the tank to the overflow level with water. Leave the tank filled for 24 hours. After the chlorine solution has sat in the tank for 24 hours, flush out/empty the storage tank. Do not drain the tank into a septic system or adjacent surface water body.

How do you remove dead bacteria from water? The most common method for how to remove bacteria from water is through the use of chlorine; in fact, about 98% of public water systems use some form of chlorine for disinfection. Chlorine is frequently used because it is inexpensive and effective.

How do you disinfect domestic water systems? A common and relatively inexpensive method of disinfecting water is chlorination, where a solution of chlorine or hypochlorite is added to the water. The method kills disease-causing microorganisms including bacteria and certain viruses but does not kill the protozoa Cryptosporidium, Giardia, and some others.

What is a good distribution system of water? Water Distribution System Layouts Grid Iron System – Ideal for cities with a rectangular metropolis grid. In this case, the water mains and branches are laid out in rectangular layouts. Ring system – The entire supply main is located along peripheral roads with sub mains branching out from the central location.

How much chlorine for 1000 litres of drinking water? To dose water in a tank with 1 mg/L chlorine (1 ppm) use: 8 milliliters of liquid pool chlorine or 34 milliliters of unscented bleach, for every 1000 liters in the tank. 1 mg/L is 1 ppm or 1 part per million. The CDC says up to 4 mL/L or 4 ppm is safe.

How much chlorine for 5000 litres of drinking water? The water should be stirred then left to stand for at least 24 hours to allow the chlorine taste and smell to dissipate. To maintain a safe water supply after the initial dosage, each week add: 5 grams (1 level teaspoon) of calcium hypochlorite (60 to 70 per cent) per 5000 litres.

What temperature is water disinfection? The World Health Organization (WHO) notes that bacteria are rapidly killed at temperatures above 149°F (65°C). This temperature is below that of boiling water or even a simmer.

How do you disinfect water quickly? Boil. If you don't have safe bottled water, you should boil your water to make it safe to drink. Boiling is the surest method to kill disease-causing germs, including viruses, bacteria, and parasites.

What is the most reliable way to sanitize water? Boiling is the surest method to kill disease-causing organisms, including viruses, bacteria, and parasites. Bring water to a full rolling boil for 1 minute (at elevations above 6,500 feet, boil for 3 minutes), then allow it to cool before use.

What happens if there is too much chlorine in drinking water? Drinking high levels of chlorine can cause nausea, vomiting, and throat and stomach irritation.

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Vomit may contain a chlorine smell. It's important to note that this occurs with levels of chlorine that far exceed public drinking water levels or even swimming pool levels.

How to remove chlorine in drinking water? Boiling water for 15 minutes also helps to remove chlorine as it causes the chlorine to evaporate. But the quickest and most effective way to remove chlorine from drinking water is with activated carbon filters in a reverse osmosis drinking water system.

How many ppm of chlorine are in drinking water? Municipal potable water supplies are usually chlorinated to provide a residual concentration of 0.5 to 2.0 ppm. Chlorine is not effective in killing certain protozoans like cryptosporidium, however.

How much bleach to disinfect 1000 litres of water? We need to add 0.4 ppm of Chlorine to the raw water so that to get 0.1 — 0.2 ppm of residual chlorine. For addition of 0.4 ppm of Chlorine in the raw water, we need 0.4 gram per m3 (1000 litre) that 0.2 gram per 500 litre if bleaching powder is 100 %.

What materials cannot be removed from wastewater? Biological stages in wastewater treatment plants are not able to remove substances such as drugs, found in the wastewater of medical centers, or halogenated compounds and cyanides from industrial wastewater.

How to remove bacteria from water? Boiling can be used as a pathogen reduction method that should kill all pathogens. Water should be brought to a rolling boil for 1 minute. At altitudes greater than 6,500 feet (approximately 2,000 meters), you should boil water for 3 minutes.

What chemicals are used to disinfect water systems?

How are water treatment systems most commonly disinfected? Disinfection. After the water has been filtered, water treatment plants may add one or more chemical disinfectants (such as chlorine, chloramine, or chlorine dioxide) to kill any remaining parasites, bacteria, or viruses.

How to sanitize a well water system?

Which is the most commonly used for disinfection? Chlorine is most commonly used for residual disinfection because it's easy to access, affordable and effective

against most micro-organisms (like viruses and bacteria).

Which are the 3 most widely used disinfectants in wastewater treatment? Some of the most commonly used disinfectants for decentralized applications include chlorine, iodine, and ultraviolet (UV) radiation. Wastewater must be adequately treated prior to disinfection in order for any disinfectant to be effective.

What is the most of the indoor water use in the US is used for? Recent studies of how Americans use water throughout their homes show that, for most people, indoor water use is highest in the bathroom, followed by the laundry room.

What is the most common disinfection by product? Disinfection byproducts (DBPs) are produced when disinfectants, such as chlorine, chloramines, chlorine dioxide, and ozone, react with inorganic or organic matter. Common DBPs produced in drinking water include chlorate, chlorite, bromate, trihalomethanes (THMs), and haloacetic acids.

What are the main methods of disinfection? Disinfection with ultraviolet (UV) irradiation and chlorine are the most widely used methods.

Which method of disinfection is the most common? The most common method of disinfection is through the addition of chlorine to drinking water supplies. Chlorine effectively kills waterborne bacteria and viruses and continues to keep the water safe as it travels from the treatment plant to the consumer's tap.

What is the most effective disinfection? Bleach is a strong and effective disinfectant – its active ingredient sodium hypochlorite is effective in killing bacteria, fungi and viruses, including influenza virus – but it is easily inactivated by organic material.

How much chlorine for 10,000 litres of drinking water? One liter of chlorine solution can treat 10,000 liters of water.

What temperature is water disinfection? The World Health Organization (WHO) notes that bacteria are rapidly killed at temperatures above 149°F (65°C). This temperature is below that of boiling water or even a simmer.

What is disinfection of water pdf? Disinfectants are added to water to kill disease-causing microorganisms. Ground water sources can be disinfected by "The Water Treatment Rule," which requires public water systems for disinfection. Chlorination, ozone, ultraviolet light, and chloramines are primary methods for disinfection.

What is the main use of water in the USA? Water is used to grow our food, manufacture our favorite goods, and keep our businesses running smoothly. We also use a significant amount of water to meet the nation's energy needs. Learn more about what WaterSense is doing to help reduce commercial and institutional water use.

Which process uses the most water in the United States? Agriculture accounts for the largest loss of water (80-90% of total U.S. consumptive water use).

What do most water treatment plants in the United States use as a disinfectant? Today, chlorine is the most widely used disinfectant in water and wastewater treatment processes. Growing concern over the past few decades about the health and safety of chlorine, especially in its gaseous state, has many plants considering alternatives.

How to remove disinfection byproducts from water?

Which chemical is used for disinfection? Hypochlorites, the most widely used of the chlorine disinfectants, are available as liquid (e.g., sodium hypochlorite) or solid (e.g., calcium hypochlorite).

Which disinfection kills all microorganisms? A sterile surface/object is completely free of living microorganisms and viruses. Sterilization procedures kill all microorganisms. Methods used in sterilization procedures include heat, ethylene oxide gas, hydrogen peroxide gas, plasma, ozone, and radiation.

How do you solve molarity by dilution?

What is the effect of a solute on freezing and boiling points instructional fair? Answer and Explanation: When a solute is added to a solvent, the boiling point increases and the freezing point decreases. This happens because when solute is added to the solvent, there are more particles present in the solvent.

What is the molarity of a solution in which 58 grams of NaCl are dissolved in 1 liter of solution? The molecular weight of sodium chloride (NaCl) is 58.44, so one gram molecular weight (= 1 mole) is 58.44g. If you dissolve 58.44g of NaCl in a final volume of 1 litre, you have made a 1M NaCl solution.

What molarity is dilute? So for aqueous solutions I'd say that anything less than 0.1 molar would be "dilute." The key notion here being that the various equilibria are dependent on activities not concentrations. But for 0.1 molar solutions or less, the activity should be well approximated by the molar concentration.

How to calculate dilution ratio? The procedure is straightforward: add the two numbers together and divide the total volume by that sum. For example, if your dilution ratio is 10 to 1 and you want to fill a 12-ounce bottle, you would add 10 and 1 to get 11. Then, divide 12 by 11 to calculate the number of ounces required for the dilution.

How to calculate molarity? Calculating Molarity with Moles and Volume Molarity is equal to the number of moles of a solute divided by the volume of the solution in liters. As such, it is written as: molarity = moles of solute / liters of solution.

What is the effect of a solute on freezing and boiling points answers? Explanation: Both phenomena are colligative properties, that depend on the number of particles of solute in solution. Colligative properties include boiling point elevation and vapour pressure depression, osmotic pressures, and freezing point depression.

What is the effect of solute in the solution to boiling point? A related property of solutions is that their boiling points are higher than the boiling point of the pure solvent. Because the presence of solute particles decreases the vapor pressure of the liquid solvent, a higher temperature is needed to reach the boiling point. This phenomenon is called boiling point elevation.

How does concentration affect boiling point? If the concentration of solute is higher, then the boiling point will also be higher. Boiling point elevation is explained as when a non-volatile solute is added in the solvent, then the vapour pressure of the solution becomes lower than the vapour pressure of pure solvent.

What is the molarity of a solution that contains 40 grams of NaOH in .5 liters of solution? The molar mass of NaOH is 40.0 g/mol, so we divide 40.0 g/mol to get 1.0 mol of NaOH. Next, we divide the moles of NaOH by the volume of the solution: 1.0 mol / 0.50 L = 2.0 M.

What is the molarity of a solution prepared by dissolving 175.5 g NaCl? Molarity = Number of moles of solute dissolved in 1 litre of the solution. Hence, if 175.5g of NaCl is dissolved, we have 3 moles/litre of the solution. Therefore, Molarity of solution = 3M.

What is the molarity of a solution prepared by dissolving 8g of NaOH in water to form 500ml of its solution? Molarity of a solution can be defined as the number of gram-moles of the solute present in 1 L of the solution. Therefore, the molarity of the solution prepared by dissolving 8g NaOH in water to form 500 ml solution is found to be 0.4 M.

How to do molarity by dilution? Dilute Solution of Known Molarity The calculator uses the formula M1V1 = M2V2 where "1" represents the concentrated conditions (i.e., stock solution molarity and volume) and "2" represents the diluted conditions (i.e., desired volume and molarity).

What happens to a pure solvent when solute is dissolved into it? The decrease in the vapor pressure of the solvent that occurs when a solute is added to the solvent causes an increase in the boiling point and decrease in the melting point of the solution. According to this figure, the solution can't boil at the same temperature as the pure solvent.

How to know if a solution is more concentrated? The higher the mass of the substance dissolved in the solution, the more concentrated is the solution.

What is the correct formula for dilution? The formula for calculating a dilution is (C1) (V1) = (C2) (V2) where... C1 is the concentration of the starting solution. V1 is the volume of the starting solution. C2 is the concentration of the final solution.

How do you calculate how much to dilute? To make a fixed amount of a dilute solution from a stock solution, you can use the formula: C1V1 = C2V2 where: V1 = Volume of stock solution needed to make the new solution. C1 = Concentration of CREATE VIRTUAL AP FOR CAMPUS WITH MIKROTIK MIKROTIK WIKI

stock solution.

How do you calculate dilution with water? You normally use the formula C1V1 = C2V2 to calculate dilutions: C1 is the concentrated starting stock. V1 is the volume of starting stock required. C2 is the desired stock concentration.

How do you calculate molarity for dummies? Re: Calculating molarity Molarity is equal to moles of a substance divided by volume. If a problem gives you the molarity and volume of one solution and tells you to dilute the solution to another volume, you can use the formula M1V1=M2V2 to calculate the new molarity.

What is the shortcut to find molarity? % by weight x 10xd Molarity = GMM where d is density and GMM is gram molecular mass. Derive the formula : Molarity = (% by weight \times $10 \times d$)/ GMM Here d is density and GMM is gram molecular mass. The molarity of HNO3 in a sample which has density 1.4 g/mL and mass percentage of 63% is (Molecular weight of HNO3=63).

How to convert concentration to molarity? Let's say that I want to convert concentration of an acid from % to molarity. One way I found to do this is by using the following formula: percentage = (molarity * molar mass) / 10. For example, to convert 38% HCl to molarity I calculated: 38% = (molarity * 36.46) / 10 and molarity = 10.42 = 10 M.

How to calculate molality? The formula for molality is m = moles of solute / kilograms of solvent. In problem solving involving molality, we sometimes need to use additional formulas to get to the final answer. One formula we need to be aware of is the formula for density, which is d = m / v, where d is density, m is mass and v is volume.

How does the total volume of a solution affect its molarity? Be sure to note that molarity is calculated as the total volume of the entire solution, not just volume of solvent! The solute contributes to total volume. If the quantity of the solute is given in mass units, you must convert mass units to mole units before using the definition of molarity to calculate concentration.

How to calculate the boiling point of a solution? The rather simple equation for determining boiling point of a solution: delta T = mKb. Delta T refers to the boiling-

point elevation, or how much greater the solution's boiling point is than that of the pure solvent. The units are degrees Celsius. Kb is the molal boiling-point elevation constant.

What two variables are needed to calculate molarity? Number of moles and volume of solution are obviously required.

In what unit is molarity expressed? In chemistry, the most commonly used unit for molarity is the number of moles per liter, having the unit symbol mol/L or mol/dm3 in SI units.

What is the difference between molarity and molality? The primary difference between the two comes down to mass versus volume. The molality describes the moles of a solute in relation to the mass of a solvent, while the molarity is concerned with the moles of a solute in relation to the volume of a solution.

How do you find the molality of a diluted solution? Molality: The molality of a solution is calculated by taking the moles of solute and dividing by the kilograms of solvent. Molality is designated by a lower case "m". We often express concentrations in molality when we publish because unlike molarity, molality is not temperature dependent.

How to dilute 0.5 m to 0.1 m? 1 Answer. You need to mix one unit of concentrated (. 5M) solution with four units of solvent.

What is the formula for M1V1 dilution? Concentration of one solution is equal to the molarity times volume of the other solution (M?V? = M?V?). Units should remain constant on both sides of the equation. This dilution calculator can be used to find missing values needed to dilute a solution.

What is the formula for moles in dilution? moles of solute = MV. as the dilution equation. The volumes must be expressed in the same units. Note that this equation gives only the initial and final conditions, not the amount of the change.

How to calculate concentration from dilution? Calculate concentration of solution after dilution: $c2 = (c1V1) \div V$. Calculate the new concentration in mol L-1 (molarity) if enough water is added to 100.00 mL of 0.25 mol L-1 sodium chloride solution to make up 1.5 L.

Is molality equal to molarity for dilute solution? Statement 1: For a very dilute solution, molality and molarity are always approximately equal.

What is the formula for calculating the molality of a solution? Now we can calculate the molality: m = moles solute / kg solvent.

How do you dilute 1M to 0.25 M? V1C1 = V2C2. For example: Make 5mL of a 0.25M solution from 2.5mL of a 1M solution. So you will need to use 1.25mL of the 1M solution. Since you want the diluted solution to have a final volume of 5mL, you will need to add (V1-V2 = 5mL - 1.25mL) 3.75mL of diluent.

How to dilute 10x to 1x? If a solution is 10x, use 9 parts water to 1 part stock. Essentially, if you are using a stock, use 1 part of the stock and then add in all the remaining parts as water until you reach the final number for the stock. For example, let's say we have a 10x PBS stock and we want to make 1000mL of 1x PBS.

How to dilute 1M NaOH to 0.1 M NaOH? Preparation of 0.1 M NaOH 0.1 molar solution can be obtained either by dissolving 0.4 g in 100 mL water or by diluting 1 M solution 10 times. Note: NaOH is a secondary standard solution so standardization is required to prepare exact concentration.

How do you calculate molarity and dilution? Dilute Solution of Known Molarity The calculator uses the formula M1V1 = M2V2 where "1" represents the concentrated conditions (i.e., stock solution molarity and volume) and "2" represents the diluted conditions (i.e., desired volume and molarity).

How to find the concentration of a solution using m1v1, m2v2?

Why does m1v1 m2v2 work for dilutions? Answer and Explanation: As the final volume increases compared to the initial volume, the concentration of the solution will decrease (diluted). This formula is suitable for dilution because the initial condition of the solution and the final condition still contains the same amount of solute or compound.

How to find the molarity of a solution?

What is the equation used for dilution calculations? To dilute a stock solution, the following dilution equation is used: M1 V1 = M2 V2. M1 and V1 are the molarity and volume of the concentrated stock solution, and M2 and V2 are the molarity and volume of the diluted solution you want to make.

How do you dilute 1 molar to 0.1 mol? Take 1 part of your stock solution and add 9 parts of solvent (usually water but sometimes alcohol or other organic solvent). In all cases you are diluting by the same factor. The concentration of the resulting solution is 1 M / 10 = 0.1 M where 10 is the dilution factor.

The Mythical Creatures Bible: The Definitive Guide to Unraveling Legends

In the realm of folklore and mythology, mythical creatures have captivated human imagination for centuries. From majestic dragons to mischievous fairies, these enigmatic beings have woven themselves into the tapestry of our cultures, inspiring awe, wonder, and a yearning to know more. "The Mythical Creatures Bible" purports to be the ultimate compendium of these fascinating entities, offering a wealth of information on their origins, attributes, and symbolism.

Q: What is The Mythical Creatures Bible? A: It is a comprehensive guide to mythical creatures, showcasing thousands of entries drawn from mythologies across the globe. Each entry provides detailed descriptions of the creature's appearance, powers, habitat, and cultural significance.

Q: Who should read this book? A: It is an invaluable resource for anyone fascinated by mythology, fantasy literature, or folklore. Whether you're a curious reader, a researcher, or simply seeking inspiration for your own creative endeavors, this book offers a treasure trove of knowledge.

Q: What kind of creatures are covered? A: The book encompasses a vast array of mythical creatures, from well-known icons such as unicorns, dragons, and griffins to lesser-known beings from obscure mythologies around the world. It also explores the cross-cultural connections between these creatures, revealing how similar stories and motifs have emerged independently in different societies.

Q: How are the entries organized? A: The Mythical Creatures Bible is meticulously organized by creature type, making it easy to find specific beings or explore different CREATE VIRTUAL AP FOR CAMPUS WITH MIKROTIK MIKROTIK WIKI

categories. Each entry includes stunning illustrations, maps, and sidebars that provide additional insights into the creature's origins and lore.

Q: Is this book scientifically accurate? A: While The Mythical Creatures Bible draws heavily on mythology and folklore, it does not claim to be scientifically accurate. It recognizes that these creatures are products of human imagination and cultural beliefs, and it celebrates their place in the realm of storytelling and artistic expression.

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