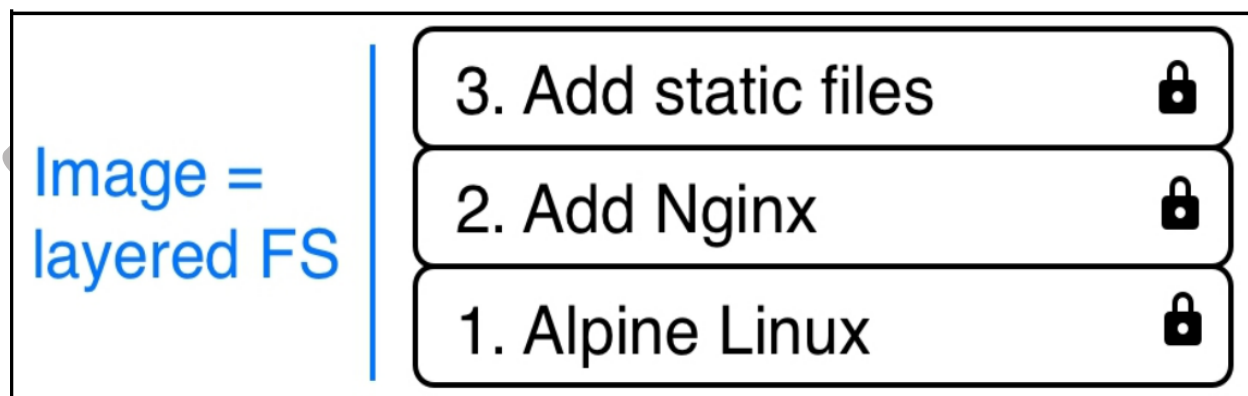
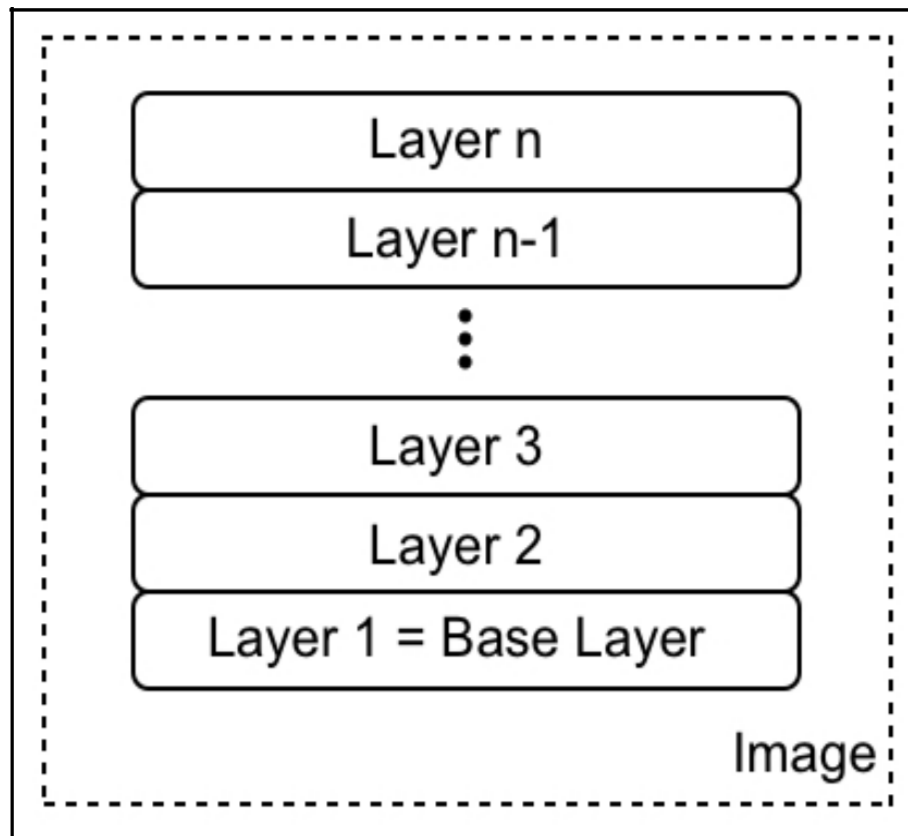
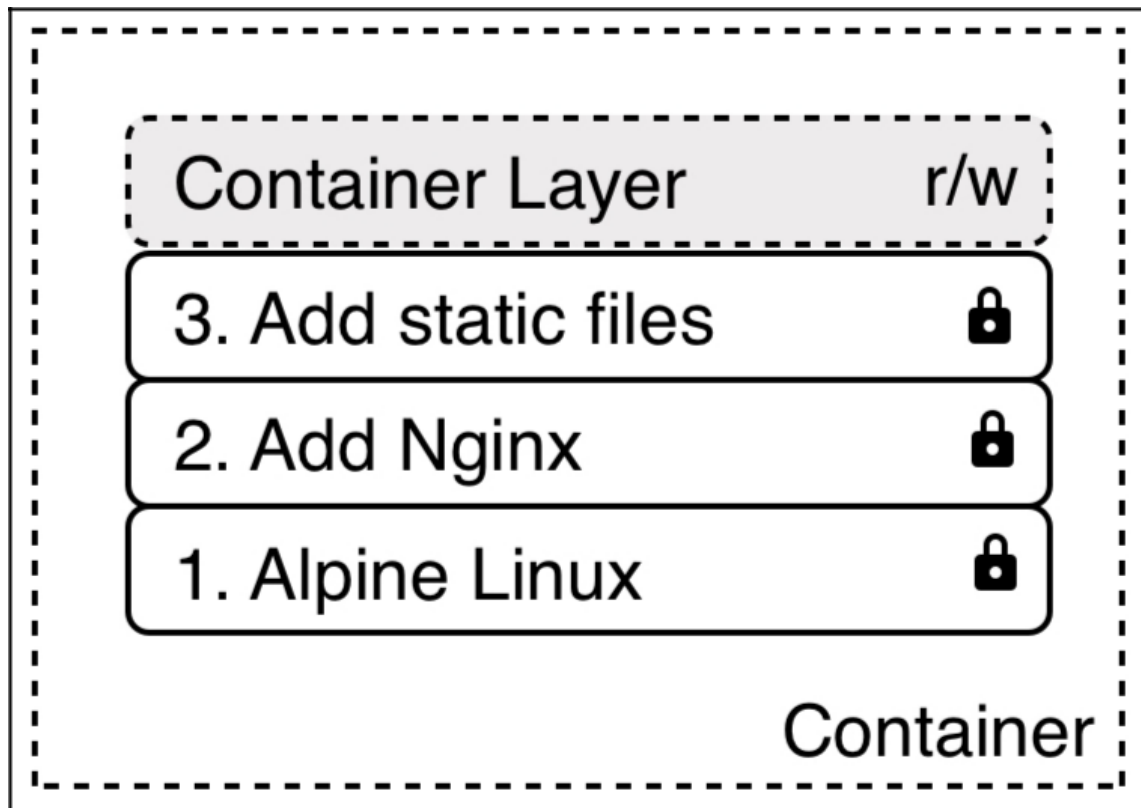


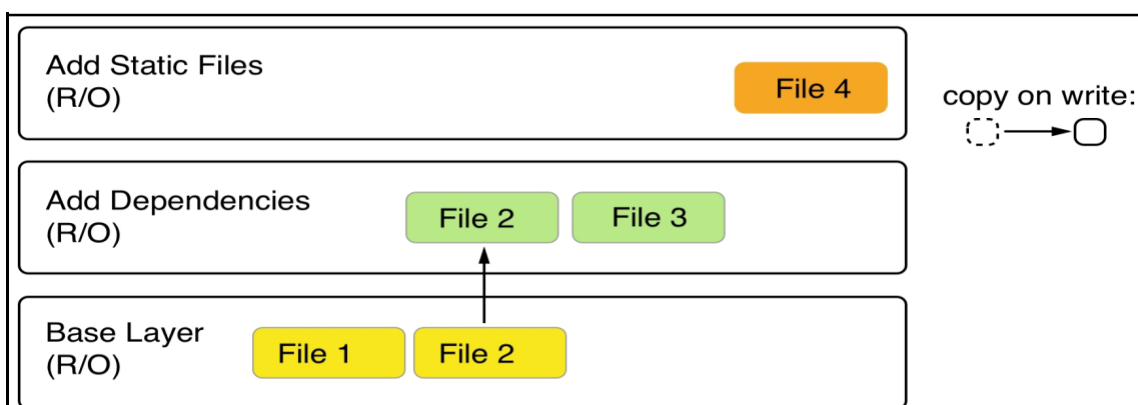
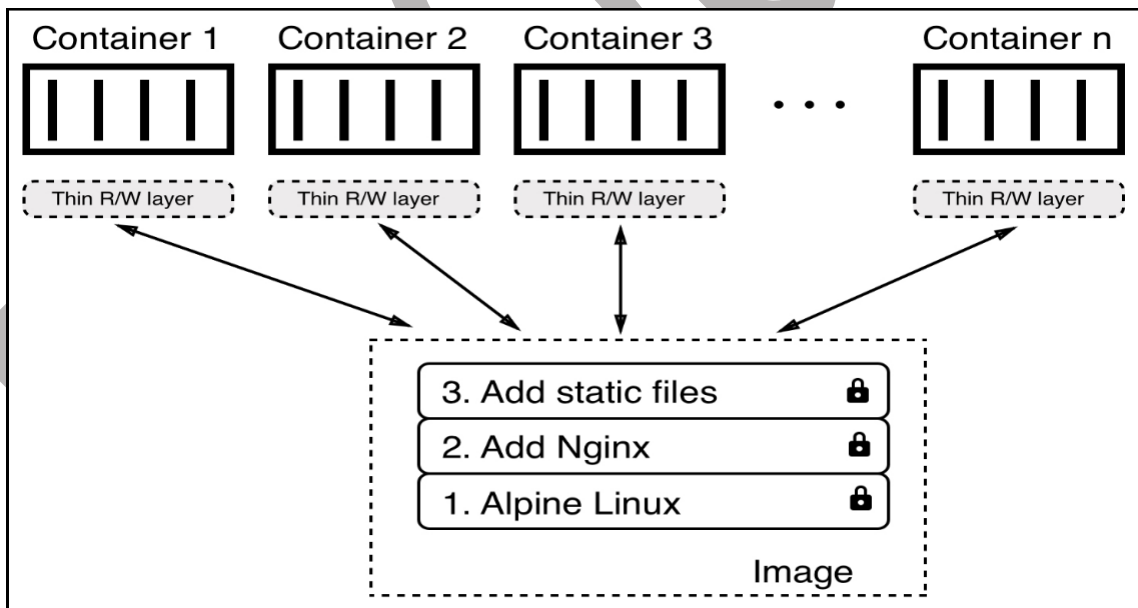
Advance Docker Image concept in depth by DevOps G

In below diagram we can see easily that Layer1 (Base layer) will always be any Operating System, and on top of that multiple layers gets created, these layers are Read Only (RO) layers, however the top layer of the container will be writable layer which has been shown very clearly in below diagram: -

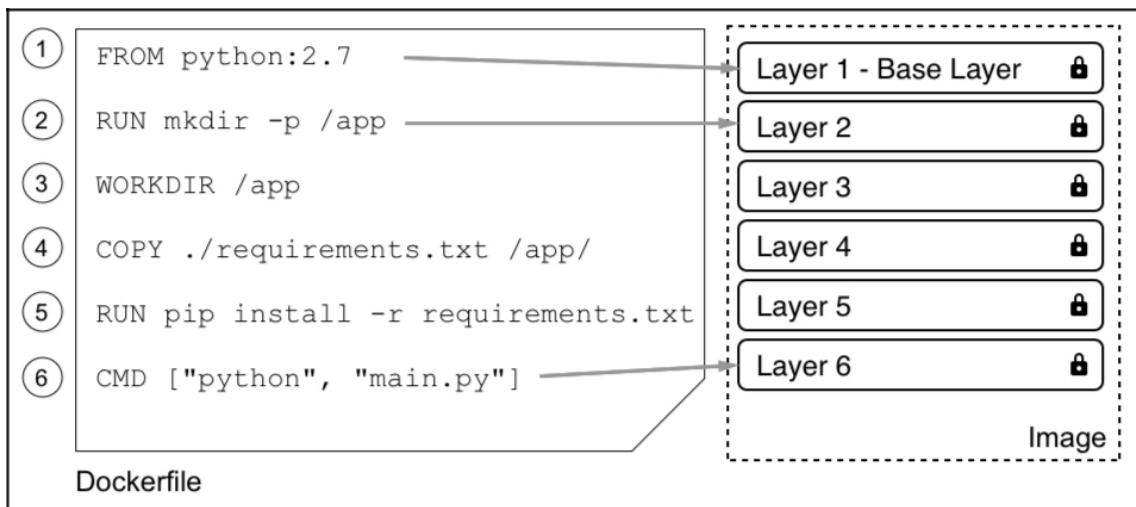




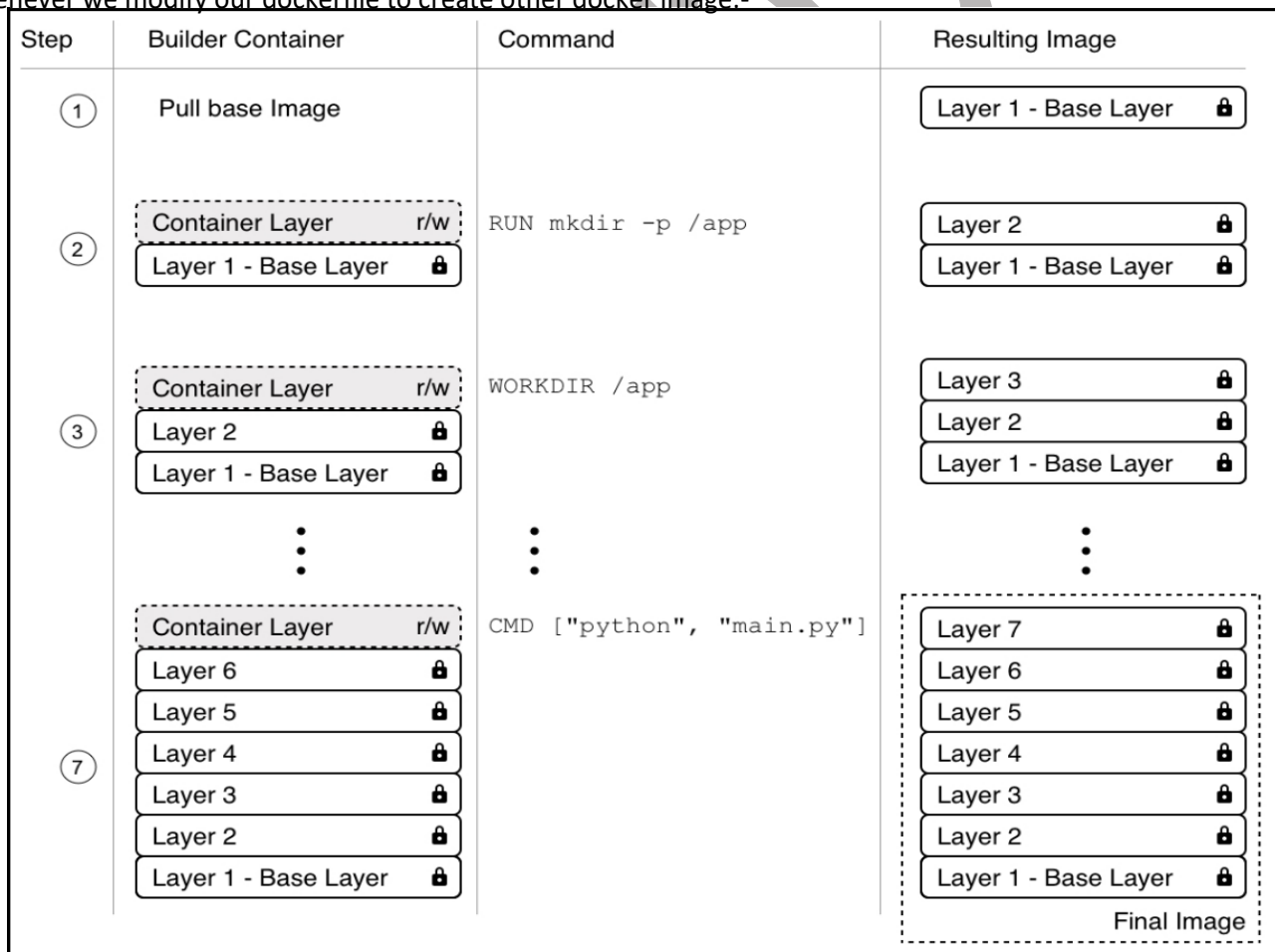
In below figure we can see clearly how multiple container are utilizing the same base layers from existing image layers and creating only new r/w layers on top of the same image layers, and this is the only reason why docker is preferred as for all new containers they don't creates all layers all the time until and unless "no cache" options is used:-



Same layer concept we can co-relate with dockerfile as well which is shown below in diagram: -



In below diagram you can see clearly how we pulled the base image once and how it is being used multiple times whenever we modify our dockerfile to create other docker image:-



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