CREATING A FRONT DOOR FOR HA GLOBAL WEB APPLICATION

AZURE FRONT DOOR IS A CLOUD CONTENT DELIVERY NETWORK (CDN) PROVIDING FAST, RELIABLE AND SECURE ACCESS BETWEEN USERS AND ORGANIZATIONS APPS STATIC AND DYNAMIC WEB CONTENT ACROSS THE GLOBE.

BENEFITS: BUILDING AND OPERATING MODERN INTERNET-FIRST ARCHITECTURE, ACCELERATING AND DELIVERING APPS AND CONTENT GLOBALLY, AND INTELLIGENTLY SECURING DIGITAL ESTATE AGAINST ANY THREAT USING IT INTELLIGENT SECURITY EMBRACING THE ZERO-TRUST FRAMEWORK.

NOTE: FOR MORE INFORMATION ON AZURE FRONT DOOR CHECK OUT: <https://docs.microsoft.com/en-us/azure/frontdoor/front-door-overview>

STEP-01 CREATING TWO INSTANCES OF A WEB APP

PATH TO THE BELOW IMAGE BY GOING TO CREATE A RESOURCE 🡪 SEARCHING FOR JUST WEB APP AND THE FIRST OPTION IS WHAT IM USING.

THIS IS JUST LIKE CREATING A VM AS I HAV DONE NUMEROUS TIMES, BUT WITH SOME DIFFERENCES WHICH IS HOW THE WEB APP IS GOING TO BE DISPLAYED, OR WHAT OPERATING SYSTEM IS BEING USED

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ONCE DEPLOYMENT HAS COMPLETED, REPEAT THESE STEPS AGAIN CREATING A SECOND WEB APP. MAKE SURE IT HAS A DIFFERENT WEB APP NAME, REGION AND APPSERVICEPLAN NAME

STEP-02 CREATING A FRONT DOOR FOR WEB APP

PATH TO THE BELOW IMAGES : GO TO CREATE A RESOURCE 🡪 SEARCH FRONT DOOR AND CDN PROFILES 🡪 EXPLORE OTHER OFFERINGS 🡪 MAKE SURE THE FIRST OPTION CLASSIC IS SELECTED AND HIT CONTINUE/ NEXT PAGE

IMAGE BELOW I HAVE CREATED THE FRONTEND / DOMAINS

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IMAGE BELOW I AM CREATING THE BACKEND IN THE BACKEND POOL

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AS SEEN BELOW I HAVE CONFIGURED BOTH WEB APPLICATIONS TO BE ON THE BACKEND. ONLY THING THAT CHANGE BETWEEN THE TWO BACKENDS WAS THE HOST NAME.

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TO FINISH IT OFF I AM CREATING A ROUTING RULE. A ROUTING RULE MAPS FRONTEND HOSTS TO THE BACKEND POOL. THE RULE FORWARDS REQUESTS FOR MARVEL-FRONTEND.AZUREFD.NET TO MYBACKENDPOOL

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STEP-03 TEST FRONT DOOR

IMAGE BELOW IS A SUCCESSFUL WEB APP REQUEST.

PATH FOR THE BELOW IS GO TO APP SERVICES IN THE SEARCH FIELD 🡪 SELECT ONE OF YOUR APP SERVICES AND COPY THE PATH 🡪 OPEN UP A NEW TAB OR BROSWER AND COPY N PASTE.

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IMAGE BELOW IS WHERE I STOPPED THE WEB APPLICATIONS

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NOTE FOR MORE INFORMATION ABOUT THIS LAB CHECK OUT: <https://docs.microsoft.com/en-us/azure/frontdoor/quickstart-create-front-door>