



5GASP Platforms Development

5GASP strives to achieve a long-term goal: the development of a self-sustainable community of 5G researchers, developers, and vertical end-users that can disseminate knowledge about I) how to develop NetApps, II) how to test them under close-to-real conditions; and III) how to certify their NetApps before the latter finally reach their targeted Network Operators and/or Vertical industry customers.

Our goal is indeed quite ambitious, but at the same time, it is *pragmatic* with respect to identifying, building, testing and validating a critical mass of technological components and optimal architecture designs, which can become blueprints for NetApp developers.

That is why building a **NetApps community** is paramount for the 5GASP Project. First, by spreading the word about NetApps and helping the community to understand what the project is about; second, by conveying the necessary development background knowledge; and third, by attracting both SMEs' and large companies' interest to become members of the NetApps community for utilising the consortium's interconnected testbed facilities.

Already developed and deployed **NetAppCommunity portal** aims to support NetApps, Network Functions, and Network Service developers. It provides users with a developers' forum, technical documentation, user guides, and other related information for developers, operators, verticals, etc.

The main objective of the **NetAppCommunity portal** is to support the Community of NetApp developers and users with relevant information in the field of 5G with a specific focus on NetApps' development and certification as well as to provide the Community members with useful information like announcements of events (conferences, workshops, webinars, etc.), news, and blog posts. The portal's graphical design is shown in Figure .



Figure 1. The main page with 5GASP logo and graphical content

Thus, the developed beta-version satisfies the requirements of the NetAppCommunity development at the first iteration. The next iteration will be focused on the maturity of the content and polishing of the graphical design.

Another 5GASP innovative solution for business is a showcase portal of registered network applications (**NetAppStore**), which provides operational information collected



automatically during the NetApps' independent testing on the 5GASP platform. The beta version of the portal also was already developed.

The NetAppStore portal can be roughly divided into three areas:

1. Upper menu.
2. Sort menu and a Search field.
3. Content.

The "Upper menu" section contains a roadmap by which users can go to the resources they are interested in, as well as functionality for authorising and registering new users. When a user first enters the site, they can view all available NetApps, as shown in Figure . Also, the user will be able to use the roadmap to navigate to the resources of interest and a variety of filters and/or search fields to change the order of displaying content.

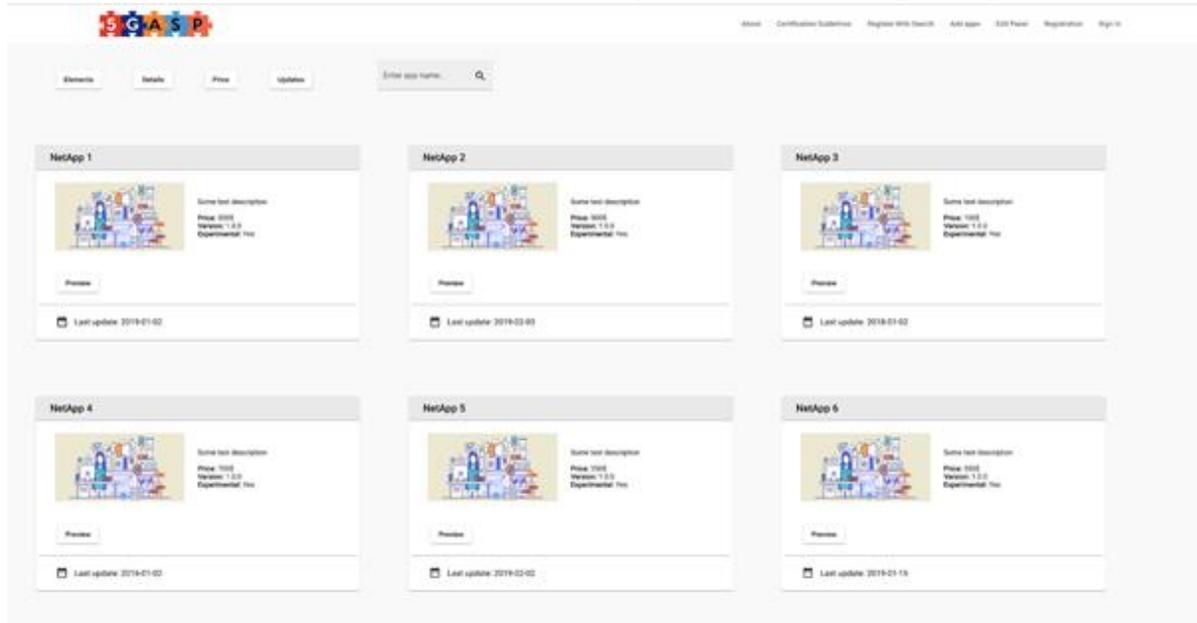


Figure 2. The main page with 5GASP logo and graphical content

When the user selects any NetApp, the latter will have a distinctive highlight, as shown in Figure . For each NetApp, at least the following fields will be available: Title; Description; Image (logo or similar); Price; Version; Is it in experimental mode; Link for more details; Last update date.

Thus, the beta version satisfies the requirements of the NetAppStore development at the first iteration. The current version of the portal has been developed to display test NetApps and filter them. At the next iteration, it is planned to finalise the design of the portal, as well as to transfer all test functionality to a higher level.

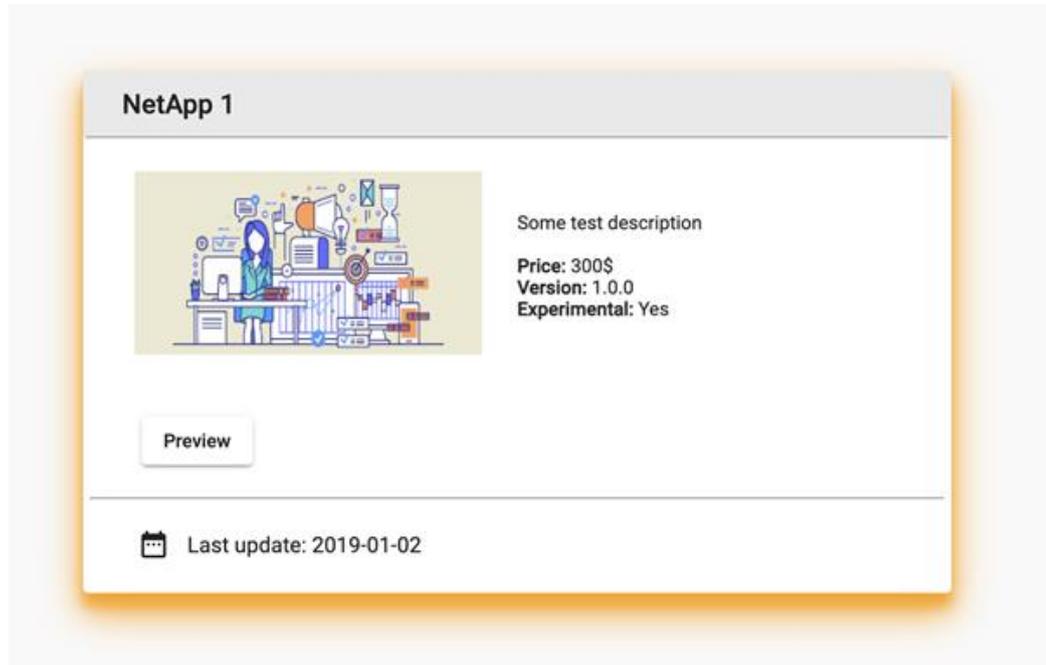


Figure 3. Selected card for "NetApp 1"

Community Engagement Events pose an important part of the 5GASP Project, supporting the dissemination efforts regarding the 5GASP platforms and certification process and a close engagement with NetApp developers and 5GASP platforms. Through these events, we are addressing current and potential future developers of NetApps that can benefit from the project developments. In addition, we promote topics related to 5G in general and to 5GASP, in particular, to inspire, encourage and support technical specialists to build on 5G.

The 5GASP Project includes a series of online webinars.

The first and second events were scheduled for 13th and 27th October, respectively. The third event took place on 17th February 2022.

The last webinar discussed building NetApps in the 5G Ecosystem. In this webinar, we had a look into the opportunities the 5G technology brings for application developers and dive into what it takes to build a NetApp in the 5G ecosystem through an extensive discussion panel. We have looked into the case study of a NetApp developed for the PPDR vertical and the certification process defined in the 5GASP research project.

Do not miss the opportunity to engage with the 5GASP project!



<https://5gasp.eu/>



<https://twitter.com/5gasp>



<https://www.linkedin.com/company/5gasp-5g-application-services-experimentation-and-certification-platform/?viewAsMember=true>



5gasp-contact@5g-ppp.eu