



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 Network Applications s, II) how to test them under close-to-real conditions; and, III) how to certify their Network Applications s, 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 and feasible in respect to identifying, building, testing and validating a critical mass of technological components and optimal architecture designs, which can become blueprints for Network Applications developers.

That is why building a **Network Applications community** is paramount for the 5GASP Project. First, by spreading the word about Network Applications s 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 Network Applications s community for utilising the consortium's interconnected testbed facilities.

Already developed and deployed **Network Applications Community portal** aims to support Network Applications s, Network Functions, and Network Services 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 **Network Applications Community portal** is to support the Community of Network Applications developers and users with relevant information in the field of 5G with a specific focus on Network Applications s' 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 Network Applications Community development at the first iteration. The next iteration will be focused on the maturity of the content and polishing of the graphical design.

Other 5GASP innovative solution for business is a showcase portal of registered network applications (**Network Applications Store**) which provides operational information



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

The Network Applications Store 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, he will be able to view all available Network Applications, 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.

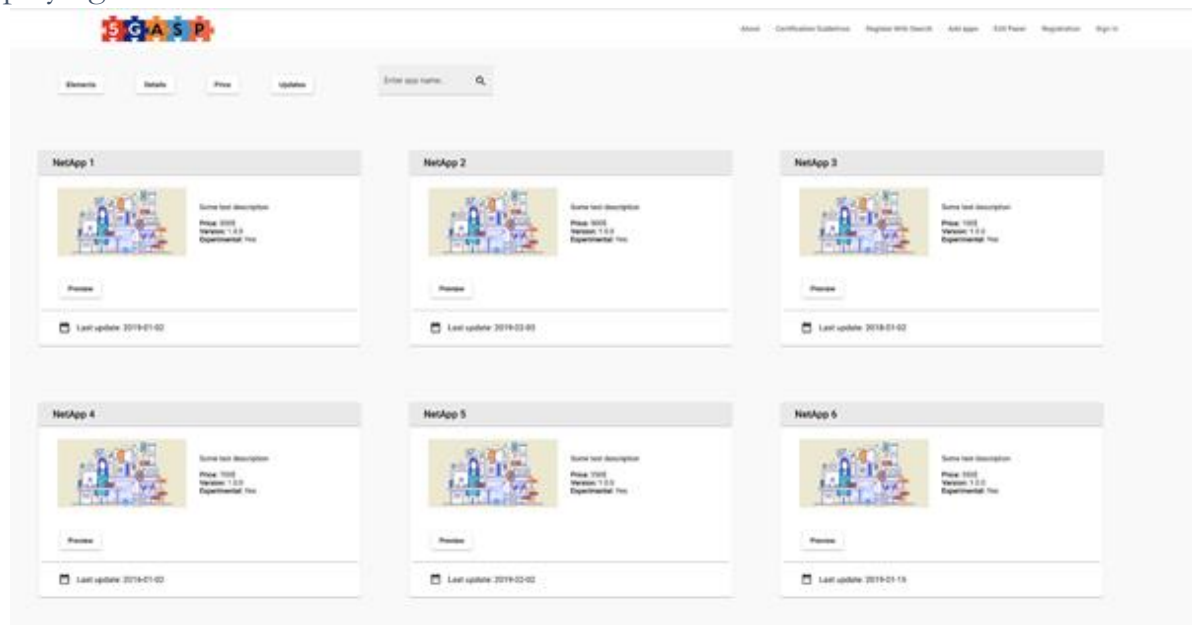


Figure 2. The main page with 5GASP logo and graphical content

When the user selects any Network Applications, the latter will have a distinctive highlight, as shown in Figure . For each Network Applications, 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 Network Applications Store development at the first iteration. The current version of the portal has been developed to display test Network Applications and filter them. At the next iteration, it is planned to finalise the design of the portal, as well as to transfer of all test functionality to a higher level.

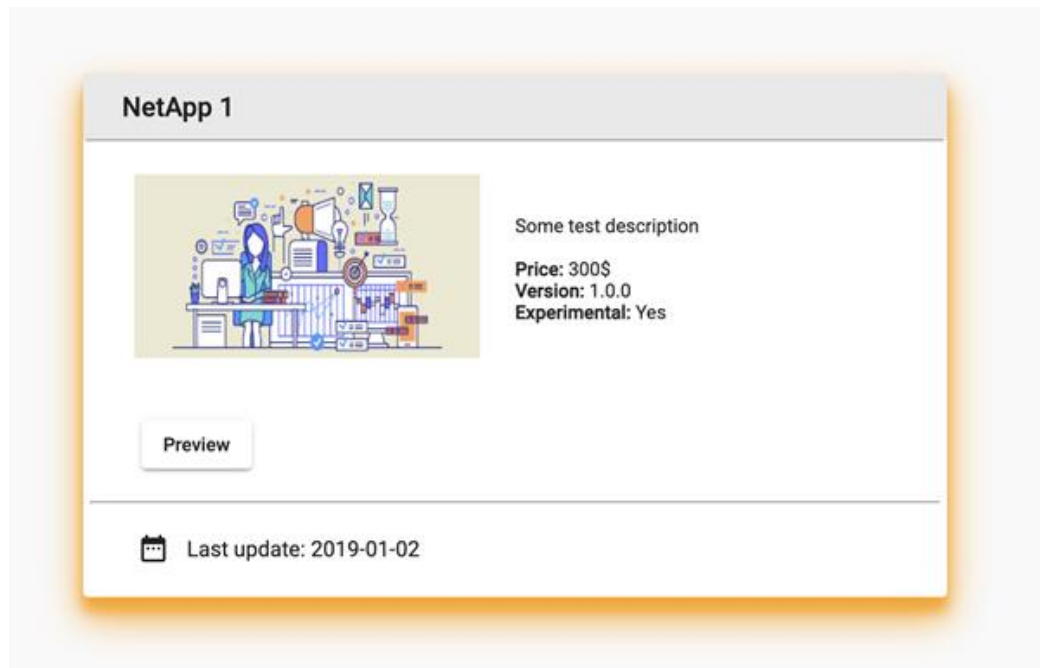


Figure 3. Selected card for "Network Applications 1"

An important part of the 5GASP Project, supporting the dissemination efforts regarding the 5GASP platforms and certification process and a close engagement with Network Applications developers and 5GASP platforms are the **Community Engagement Events**. Through the events, we are addressing current and potential future developers of Network Applications 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 event were scheduled for 13th and 27th October, respectively.

The third event took place on 17th February 2022.

The last webinar discussed the Building Network Applications 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 Network Applications in the 5G ecosystem through an extensive discussion panel. We have looked into the case-study of a Network Applications developed for the PPDR vertical as well as the certification process that is being defined in the 5GASP research project.

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



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