

# gemini protocol (en)

Instead of creating my own definition here is the "official one" :

Gemini in 100 words

Gemini is a new internet technology supporting an electronic library of interconnected text documents. That's not a new idea, but it's not old fashioned either. It's timeless, and deserves tools which treat it as a first class concept, not a vestigial corner case. Gemini isn't about innovation or disruption, it's about providing some respite for those who feel the internet has been disrupted enough already. We're not out to change the world or destroy other technologies. We are out to build a lightweight online space where documents are just documents, in the interests of every reader's privacy, attention and bandwidth.

<https://geminiprotocol.net/>

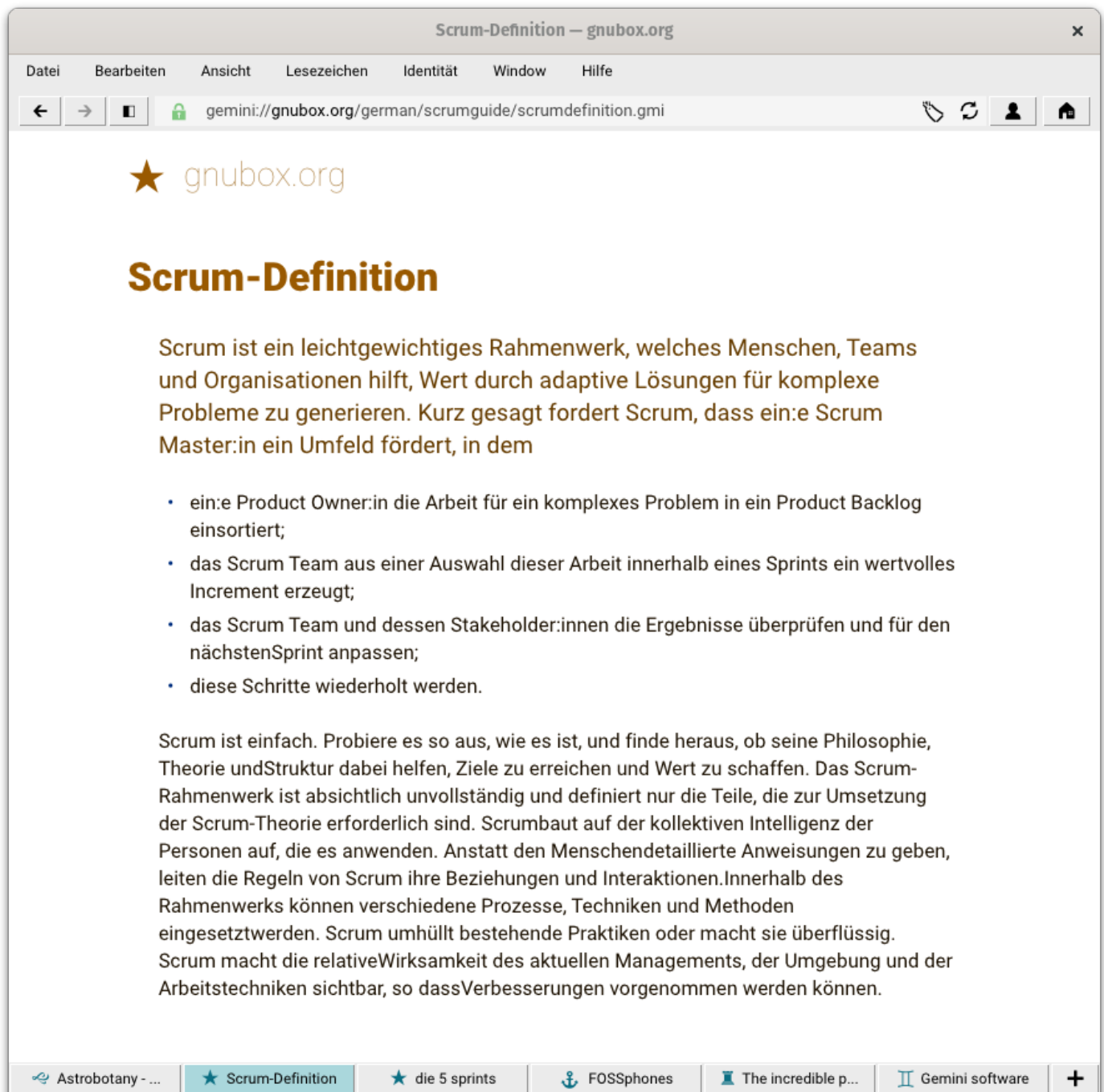
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# What is it able to? How does it look like?

Our WWW has reached a unbelievable complexity. The web is full of ads, pop-ups and trackers. So one could just reset that story and start over again. Reflecting what the web was about in the first place, then reimplement with more modern tech stack. So here it is:

## An electronic library of interconnected text documents

and do it complete new and very minimal. Its already some years and therefor not only an idea, but instead part of the observable reality. Out there, within the same internet. In a parallel world living next to the World Wide Web the **Gemini Space**.

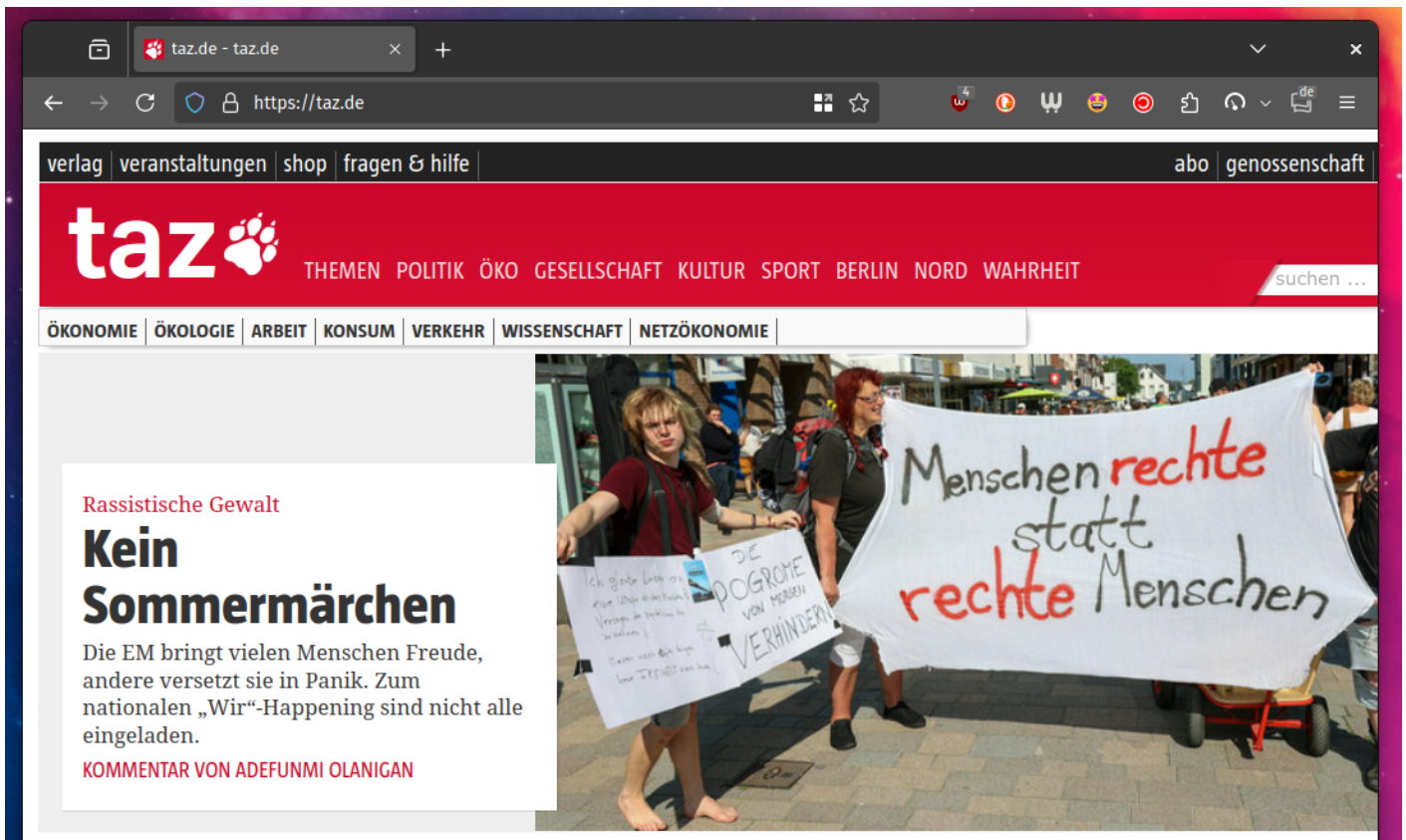


Here is a screenshot of a browser built for the Gemini Space. Its available here and its Free Software: <https://gmi.skyjake.fi/lagrange/> You can also follow the Author in the fediverse : <https://skyjake.fi/@lagrange>

Invitation accepted? Now you can visit different "capsules" (read <https://www.spaceflighthistories.com/post/gemini-5> for context and yes it uses its year :1965 as the port ) using gmini:// instead of https://

The most outstanding difference is the minimalism. I show you the german newspaper taz.de as an example. Because they are so good, they are also natively inside the gemini space.

But first the default website <https://taz.de>, that people "normally" read:

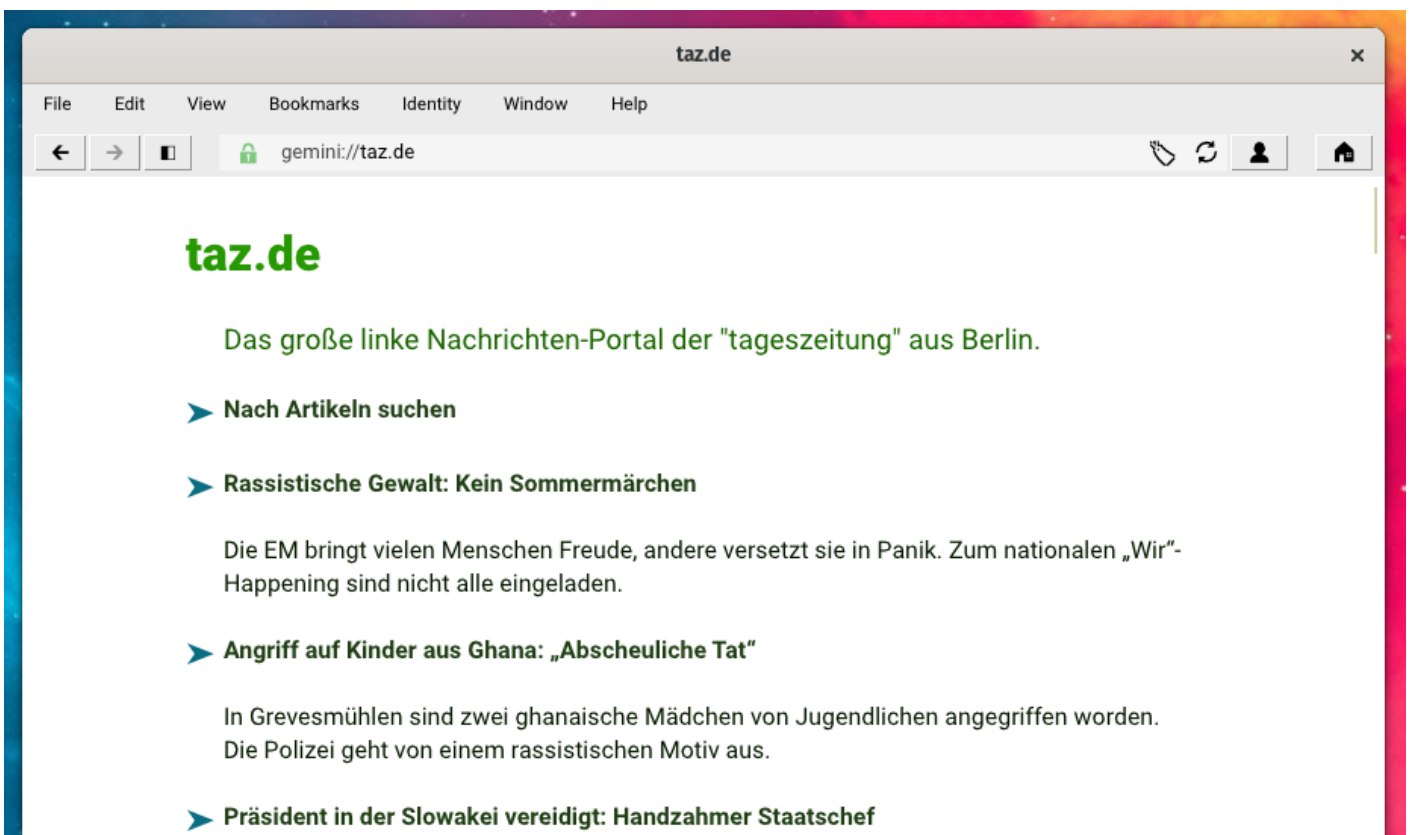


The screenshot shows the taz.de website in a browser. The browser's address bar displays "https://taz.de". The website's navigation bar includes links for "verlag", "veranstaltungen", "shop", "fragen & hilfe", "abo", and "genossenschaft". The main header features the "taz" logo and a list of themes: "THEMEN POLITIK ÖKO GESELLSCHAFT KULTUR SPORT BERLIN NORD WAHRHEIT". A search bar is located on the right side of the header. Below the header, there is a horizontal menu with categories: "ÖKONOMIE", "ÖKOLOGIE", "ARBEIT", "KONSUM", "VERKEHR", "WISSENSCHAFT", and "NETZÖKONOMIE". The main content area displays an article titled "Rassistische Gewalt" with the sub-heading "Kein Sommermärchen". The article text reads: "Die EM bringt vielen Menschen Freude, andere versetzt sie in Panik. Zum nationalen „Wir“-Happening sind nicht alle eingeladen." Below the text is a link for "KOMMENTAR VON ADEFUNMI OLANIGAN". To the right of the text is a photograph of a protest. A woman in the foreground holds a sign that says "DE POGRÖHE VON MORSEY VERHINDERN". Behind her, a large white banner reads "Menschenrechte statt rechte Menschen".

As that very normal human, you can right-click "show source" and you see, its still possible, but not very helpful. Todays html is not meant to be written bei hand anymore. (but can be done ☐) it will look like this:

```
1014
1015
1016 <div role="region" id="" class="first last odd sect sect_picture style_picture "><a class="sectbody picture obj"
href="https://epaper.taz.de/"></img><noscript></img></noscript></a></div>
1017
1018
1019 </div><script> $(document.getLatestElement()).filter('.rack').trigger('TAZdomChange'); //
1020 </script></span><script> $(document.getLatestElement()).filter('.wing').on( 'TAZdomChange', function(){
1021 $(this).find('.rack').removeClass('first first Rack').first().addClass('first first Rack');
1022 }); //</script><meta itemprop="isAccessibleForFree" content="true"></meta><a
itemprop="mainEntityOfPage" href="https://taz.de/!p4608"></a></div><script type="text/javascript">(function ()
{ // align skirt top with first page's bottom asap
1023 $( document ).ready(function() {
1024 var skirt_top = $('sect_tdt > .sectbody').length ? $('sect_tdt > .sectbody').first().offset().top -4 : 1500;
1025 $('#skirt').css({'top': ''+ skirt_top +'px'});
1026 });
1027 }); //</script><!--
1028 DEBUG: 3--><div class="insert dep4534"><div role="region" id="xid848244" class="first odd sect sect_leads
style_leads "><ul role="directory" class="sectbody corp directory"><li class=" first last odd trodd online
remote story leaded pictured"><a class="dept" href="
1029 taz-Blogs
1030 ">Blogs</a><a href="https://blogs.taz.de/dissenspodcast/maennlichkeit-muss-nicht-erkundet-sondern-zum-
problem-gemacht-werden/" target=" blank" class="objlink remote story leaded pictured noavatar"
role="link"><h4>Dissens: Kritische Männlichkeit</h4><h3>„Männlichkeit verraten!“</h3><p class="brief">Aktivist und
Autor Kim Posster über das Scheitern des Profeminismus und Männlichkeitskritik, die mehr bringt.</p></img><noscript></img></
noscript></a></li></ul></div><div role="region" id="xid848245" class="even sect sect_leads style_leads oddpics
"><ul role="directory" debug="x1" class="corp directory"><li class="sectbody first last odd trodd first sectbody
```

I got the gemini version on the same day from [gemini://taz.de](https://gemini://taz.de) and it looked like this:



Just Text, nothing more. No Ads in between, no pop-up windows. Also because such things are not possible ;) and the View in the Source shows this:

```
1 # taz.de
2
3 Das große linke Nachrichten-Portal der "tageszeitung" aus Berlin.
4
5 => /!s Nach Artikeln suchen
6
7 => /!6014385 Rassistische Gewalt: Kein Sommermärchen
8
9 Die EM bringt vielen Menschen Freude, andere versetzt sie in Panik. Zum nationalen
  „Wir“-Happening sind nicht alle eingeladen.
10
11 => /!6014453 Angriff auf Kinder aus Ghana: „Abscheuliche Tat“
12
13 In Grevesmühlen sind zwei ghanaische Mädchen von Jugendlichen angegriffen worden. Die
  Polizei geht von einem rassistischen Motiv aus.
14
15 => /!6017353 Präsident in der Slowakei vereidigt: Handzahmer Staatschef
16
17 Anders als seine Vorgängerin ist der neue Präsident Peter Pellegrin regierungstreu.
  Premier Robert Fico kann jetzt, sobald genesen, durchregieren.
18
19 => /!6014489 Friedenskonferenz für die Ukraine: Mit vereinter Kraft gegen Putin
20
21 Die Interessen sind zu unterschiedlich, um unter gut 90 Staaten eine gemeinsame
  Position zu entwickeln. Die Solidarität mit Kyjiw ist dennoch groß.
22
```

Ha, thats still readable by a human being. un-be-liav-able.

## What else is there to explore?

All things can be started over. New search engines were implemented. There is a new social network, and fediverso-connectivity. There is a tamagotchi like community garden where people are pouring virtual ascii water over each others plants. Another entry to wikipedia...

examples:

TLGS - "Totally Legit" Gemini Search [gemini://tlgs.one](https://taz-gemini.gmi)

my plant [gemini://astrobotany.mozz.us/public/46767228146d4dffa05a4ff24e855502](https://taz-gemini.gmi)

wikipedia: [gemini://gemi.dev/cgi-bin/wp.cgi/](https://taz-gemini.gmi)

and thats all with minimal Data. You can start your own server even on an "Pi Pico". Yes, not raspberry pi, the small one you can get cheaper than a veggie-burger.

[Sprint 2 - Gemini Server auf Pi Pico W](#)



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