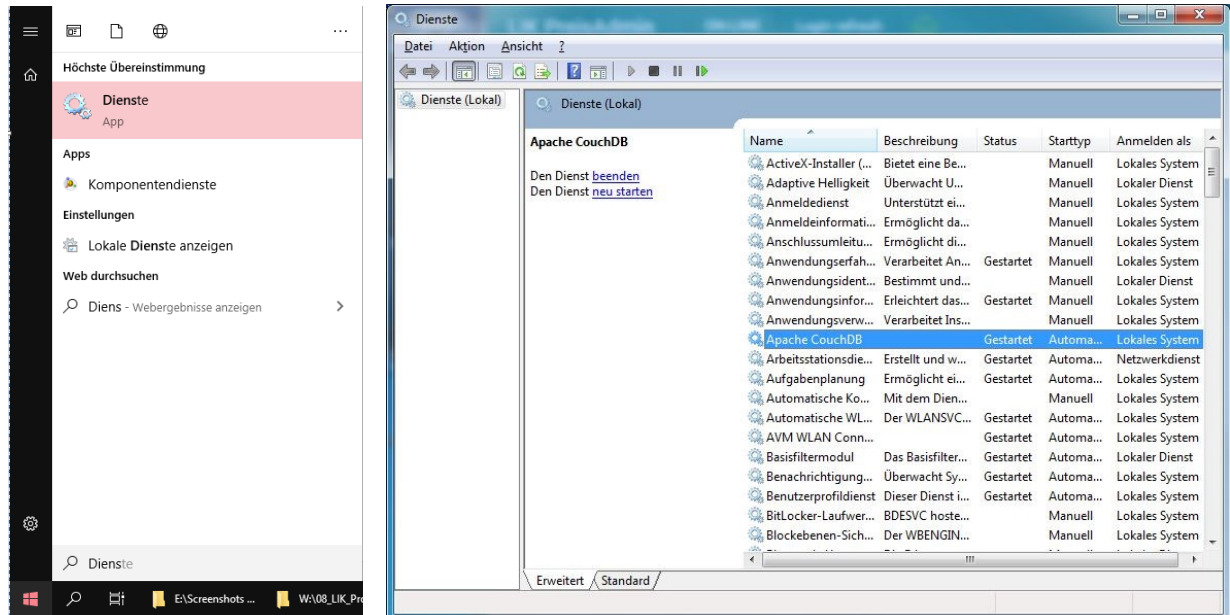
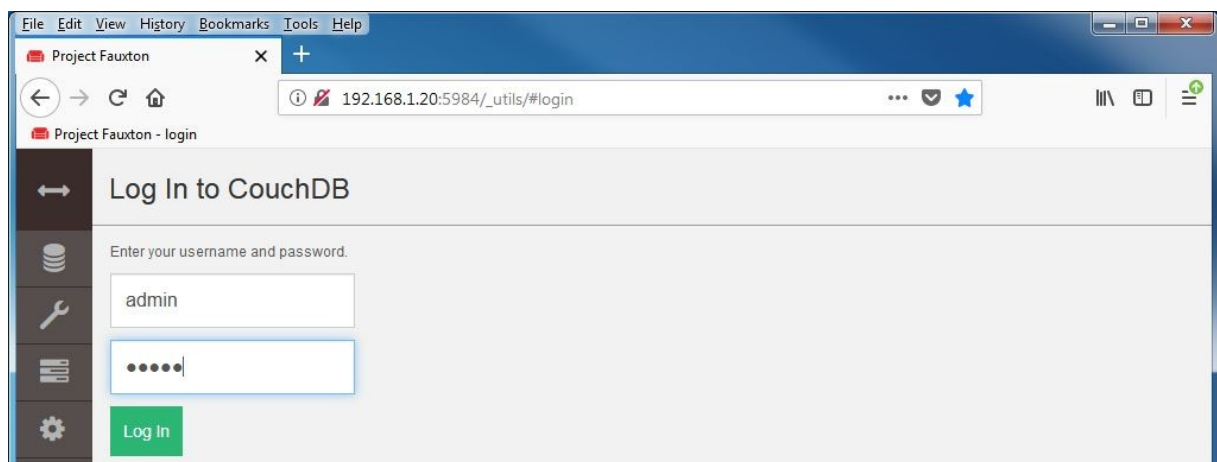


CouchDB 2.3.1 - Configuration Guide

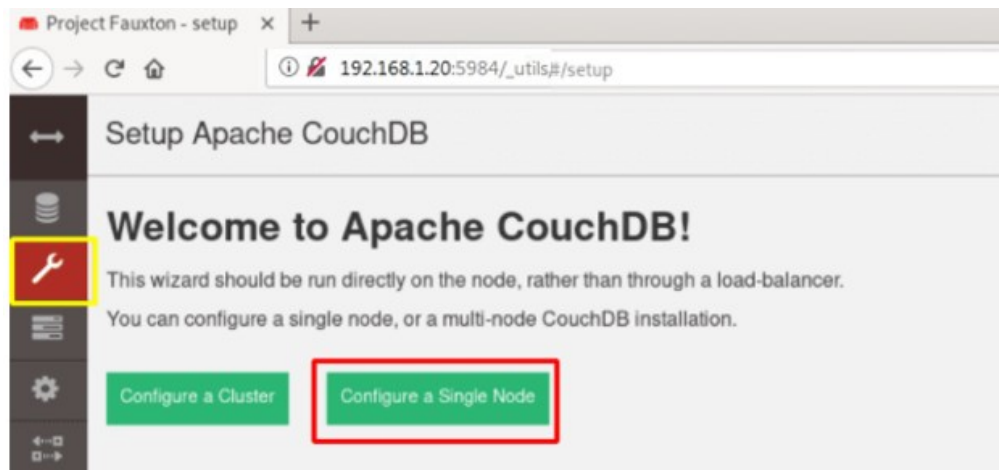
1. Start service if it has not already been started automatically:
Start→Services→Apache CouchDB



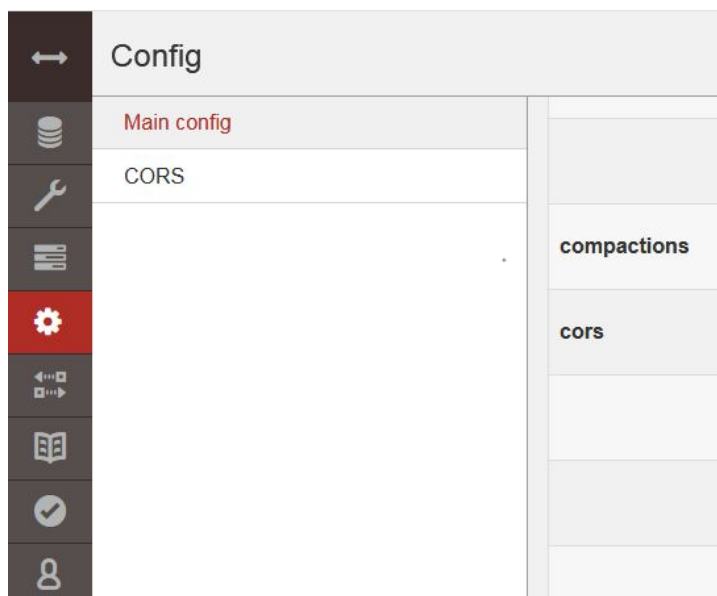
2. Admin and DB-GUI
 - Once the service is running, you can access the database.
 - Open the CouchDB GUI Fauxton in the browser (http://localhost:5984/_utils/)
 - Log in as admin (default for user and password is "admin" if not changed during installation).



3. For the initial setup, click on the setup icon and select the option “Configure a Single Node”:



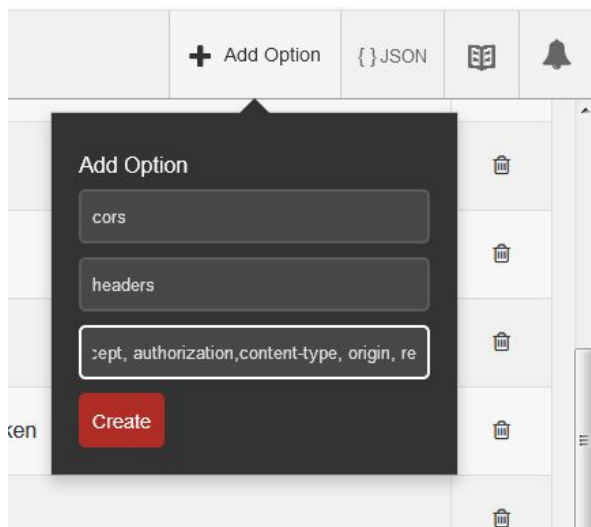
4. adjust settings under Config



- The configuration is divided into several sections (id) and has several parameters (keys) and variables (value).
- Existing entries can be changed by double clicking on the variable (value):

_default	[[{db_fragmentation, "70%"}, {view_fragmentation, "60%"}]]	🗑️
credentials	<input type="text" value="true"/> ✓ ✖	🗑️
headers	accept, authorization, content-type, origin, referer, x-csrf-token	🗑️

- New entries can be created by Add option (top right) (id, key, value):



- The following section entries are to be adjusted (marked yellow):

id	Key	value
chttpd	backlog	512
	bind_address	IP-Adresse des DNS-Servers, z.B. «192.168.1.20»
	docroot	./share/www
	max_db_number_for_dbs_info_req	100
	port	5984
	prefer_minimal	Cache-Control, Content-Length, Content-Range, Content-Type, ETag, Server, Transfer-Encoding, Vary
	require_valid_user	false
	server_options	[[recbuf, undefined]]
	socket_options	[[sndbuf, 262144], {nodelay, true}]

id	Key	value
cors	credentials	true
	headers	accept, authorization, content-type, origin, referer, x-csrf-token
	methods	GET, PUT, POST, HEAD, DELETE
	origins	*

- The value under timeout defines the duration for which the login is valid. The duration is given in seconds, with an increase to 600'000 seconds the user can theoretically work undisturbed for a week and only has to log in again at app start.

id	Key	Value
couch_httpd_auth	allow_persistent_cookies	true
	auth_cache_size	50
	authentication_db	_users
	authentication_redirect	/_utils/session.html
	iterations	10
	require_valid_user	false
	secret	33623bc95a36f227f2b28da8ce594ec8
	timeout	600000

Connection between tablet and PreisAdmin using certificate

- We recommend not to connect the PreisAdmin DB directly to the public network. A reverse proxy should be used, which also takes care of the SSL encryption/certificates.
- A proxy should already exist in most environments. The proxy v manages the SSL and also the forwarding from an external IP.
- If there is no proxy yet, here are two instructions to set up a proxy:
 - Windows: <https://blogs.msdn.microsoft.com/friis/2016/08/25/setup-iis-with-url-rewrite-as-a-reverse-proxy-for-real-world-apps/>
 - Linux: <https://cwiki.apache.org/confluence/display/COUCHDB/Nginx+as+a+proxy>
<https://openclassrooms.com/fr/courses/1733551-gerez-votre-serveur-linux-et-ses-services/5236081-mettez-en-place-un-reverse-proxy-avec-nginx>