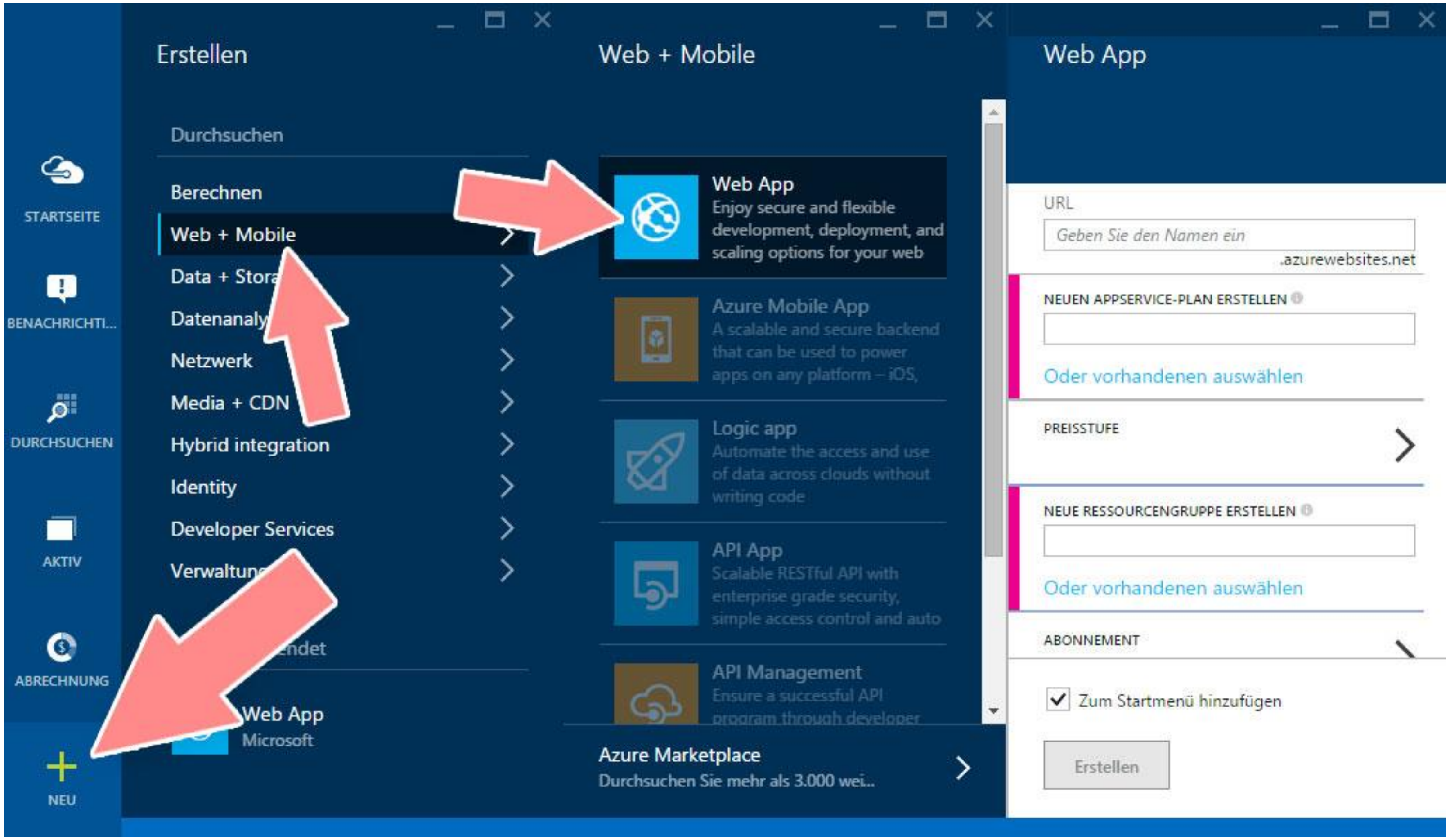
Windows Azure

+ python™

Web App erstellen

→ https://portal.azure.com



Erstellen

Durchsuchen

- Berechnen
- Web + Mobile
- Data + Stora
- Datenanaly
- Netzwerk
- Media + CDN
- Hybrid integration
- Identity
- Developer Services
- Verwaltun

ndet

Web App
Microsoft

Web + Mobile

Web App
Enjoy secure and flexible development, deployment, and scaling options for your web

Azure Mobile App
A scalable and secure backend that can be used to power apps on any platform – iOS,

Logic app
Automate the access and use of data across clouds without writing code

API App
Scalable RESTful API with enterprise grade security, simple access control and auto

API Management
Ensure a successful API program through developer

Azure Marketplace
Durchsuchen Sie mehr als 3.000 wei...

Web App

URL
Geben Sie den Namen ein
.azurewebsites.net

NEUEN APPSERVICE-PLAN ERSTELLEN
Oder vorhandenen auswählen

PREISSTUFE

NEUE RESSOURCENGRUPPE ERSTELLEN
Oder vorhandenen auswählen

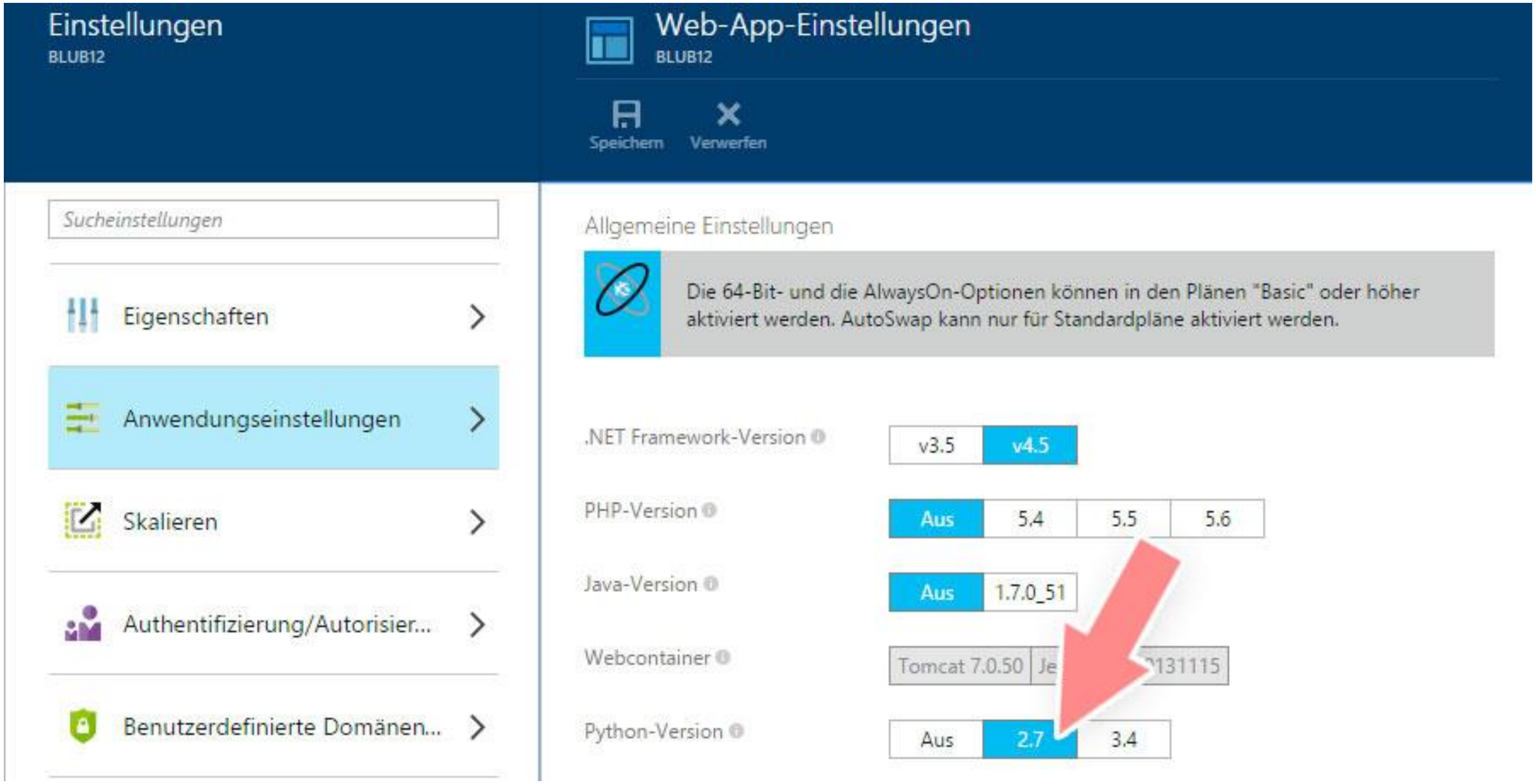
ABONNEMENT

☑ Zum Startmenü hinzufügen

Erstellen

Windows Azure

Python aktivieren



Allgemeine Einstellungen

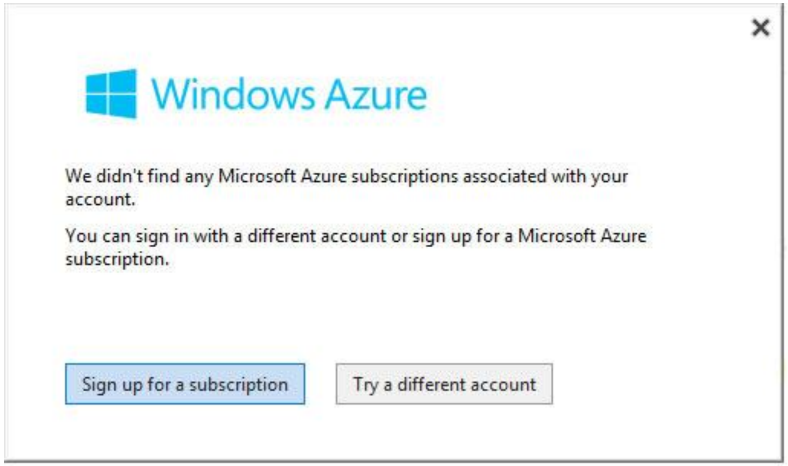
Die 64-Bit- und die AlwaysOn-Optionen können in den Plänen "Basic" oder höher aktiviert werden. AutoSwap kann nur für Standardpläne aktiviert werden.

.NET Framework-Version	v3.5	**v4.5**		
PHP-Version	**Aus**	5.4	5.5	5.6
Java-Version	**Aus**	1.7.0_51		
Webcontainer	Tomcat 7.0.50	Je	131115	
Python-Version	Aus	**2.7**	3.4	

Windows Azure

Deployment

→ Visual Studio



Windows Azure

We didn't find any Microsoft Azure subscriptions associated with your account.

You can sign in with a different account or sign up for a Microsoft Azure subscription.

→ FTP

  → keine Installation von dependencies

→ GIT Repository

  → einfach, kaum Konfigurationsaufwand

Python Besonderheiten

→ Es werden zusätzliche Dateien benötigt

- **runtime.txt** (Python Version)
  → „python-2.7“ oder „python-3.4“
- **requirements.txt** (dependencies)
- **web.config** (Server Konfiguration)
- **ptvs_virtualenv_proxy.py** (IIS Proxy)

web.config

→ Erstellung nicht trivial!

- Verwendung von Frameworks (Django etc.)
  - Meist eigene web.config nötig
- Microsoft liefert config für einige Frameworks
  - Aber nicht für Dreamspark Benutzer ☺

Implementierung

WSGI Application

```
def wsgi_app(environ, start_response):
    request = Request(environ)
    status = '200 OK'
    try:
        trace = routes(request)
        view = trace.target
        args = inject_args(trace.target, trace.args,
            request=request)
        kwargs = trace.kwargs
        response = view(*args, **kwargs)
    except NoURLPatternMatched as e:
        status = '404 Not Found'
        response = 'The resource could not be located'
    except exc.HTTPException as e:
        status = '500 Internal server error'
        response = 'An error occurred while processing
            your request'
    response_headers = [('Content-type',
         'application/json')]
    start_response(status, response_headers)
    yield response.encode()
```

Router

```
routes = route("",
    route("/wiki",
        route(GET,  "/count-images/{title:string}",
            router.wiki.countimages),
        ),
    route("/calc",
        route(POST,  "/", router.calc.index),
        )
    )
```

Links

- → http://blub12.azurewebsites.net/wiki/count-images/
  - → http://blub12.azurewebsites.net/wiki/count-images/San_Francisco
- → http://blub12.azurewebsites.net/calc/