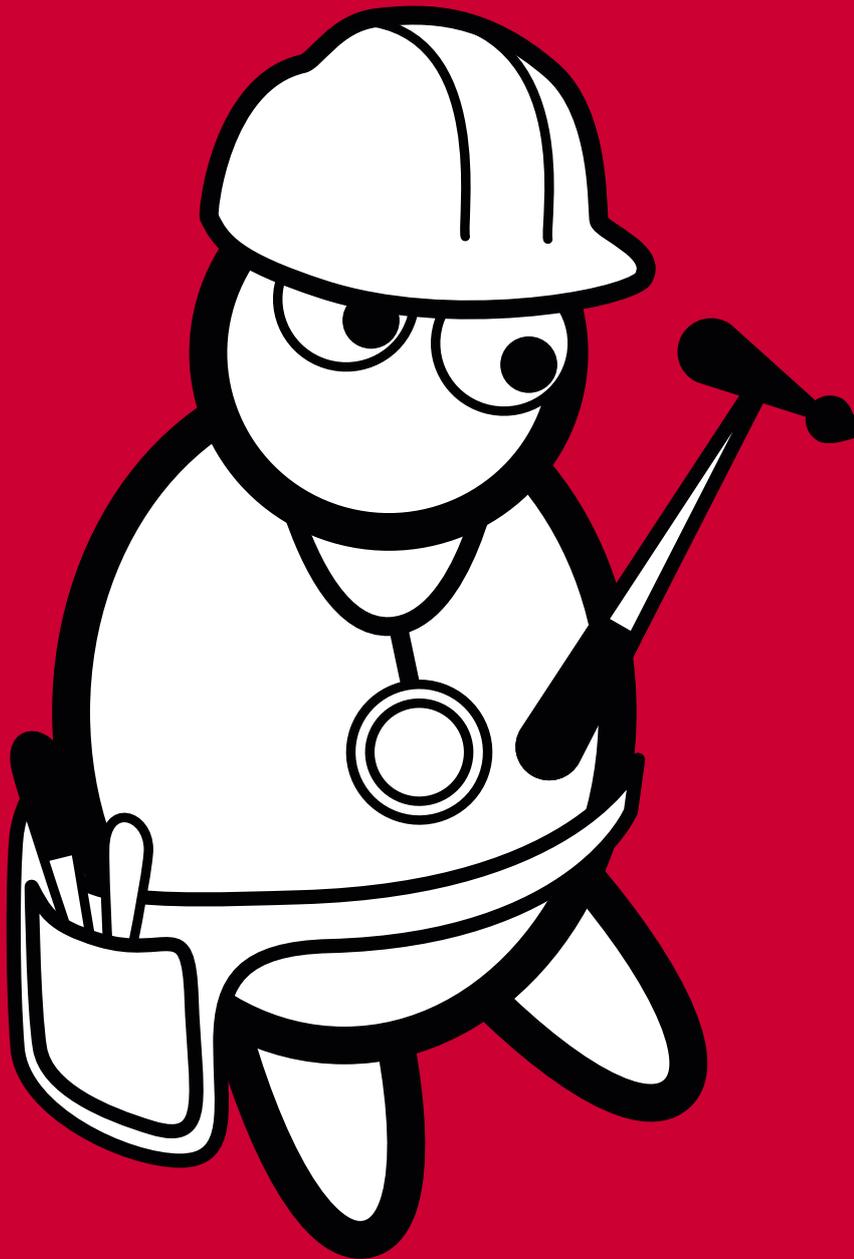


Technical Manual





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1 The DocCheck Login

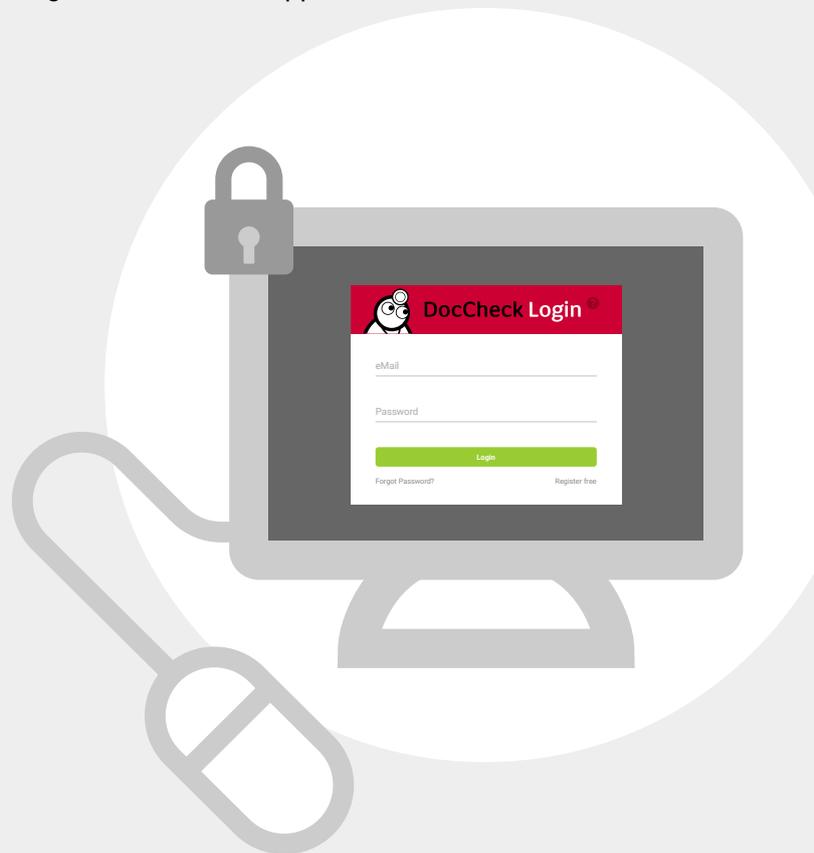
Your online access to healthcare professionals

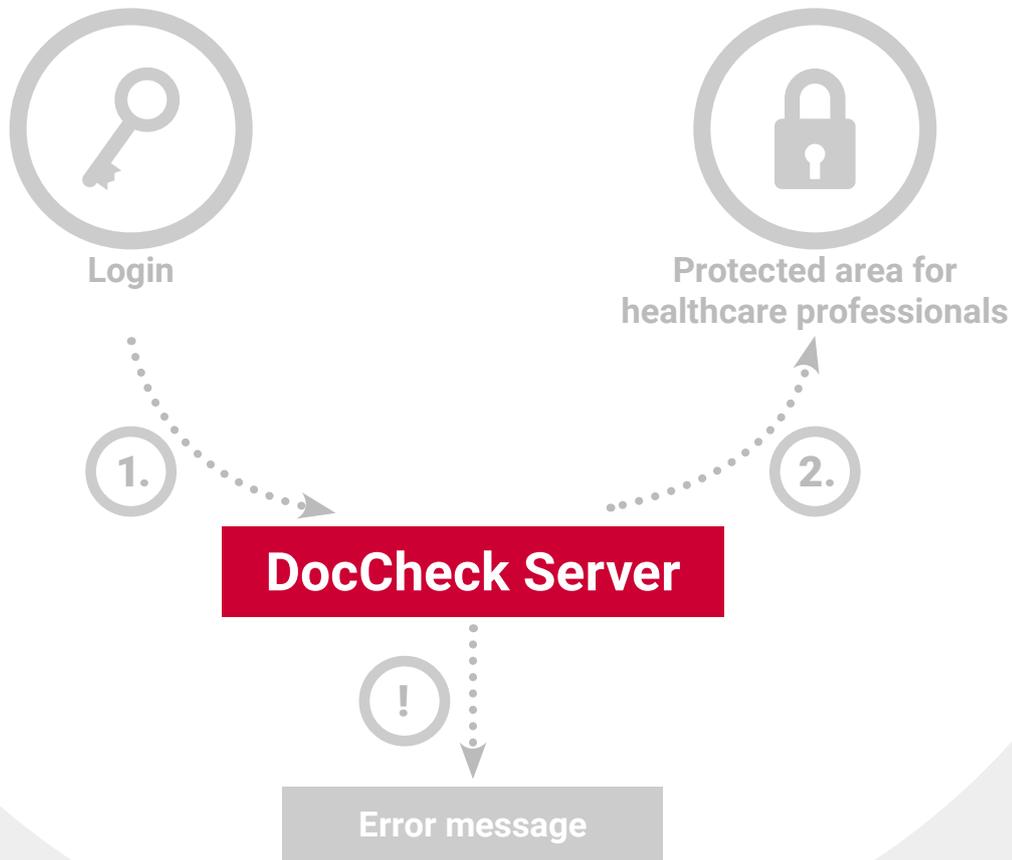
1.1 What is the DocCheck Login?

With the DocCheck Login you are able to very simply establish a protected area on your site, which is only accessible to (medical) professionals. The DocCheck password protection is an identification service for medical sites which is compliant with the German law for pharmaceutical commercial information HWG (Heilmittelwerbegesetz). When using the free Basic Licence you use our infrastructure for registration, user support and professional group testing. With this aim in mind, you simply configure a login in our web-based login configuration system DocCheck CReaM (see ► 2.1) and connect the automatically generated HTML code to the iFrame by using the login form on your website: done.

1.1.1 What does the DocCheck Login offer?

- HWG-compliant: presentation of pharmaceutical online contents
- Exclusive: contents only accessible to healthcare professionals
- Attractive: many potential visitors from across a wide membership base
- Cost-effective: saves on registration, user management and user support





1.2 Functionality

Login by healthcare professionals on your site works like this:

1. The visitor enters his or her login information in the login form. The data is sent in encoded form to the DocCheck login server.
2. DocCheck checks whether the credentials are correct and whether the visitor belongs to the authorised professional group. If this is the case, he or she is then transferred to the protected area.
- ! In such instance where the login information is incorrect or the visitor does not belong to the professional group, he or she receives an error message.

Please note: The Basic Licence solely serves for authentication of a user. With the Basic Licence the closed area is protected via redirection to an unknown URL. If this target URL is set as a bookmark or copied and published anywhere or disclosed to third parties, users are then able without authentication to get access to a protected area. Additional security is provided here as part of the Economy Licence (see ► 4. and ► 5.).

1.3 Additional functions of the DocCheck Login

In addition to the free password protection functions, you can with the DocCheck Login learn more about visitors to your site – in anonymous form as a statistical evaluation or in more personal form by transfer of data along with the prior consent from the visitor. This way you can with respect to marketing, websites or external work schedule adapt your website to your target audience.

The Basic Licence can have its set of functions expanded according to your requirements in order to include the following fee-based functions:



The Economy Licence

The Economy Licence (see ► 4.) includes all the features of the Basic Licence and offers additional security via encrypted transfer parameters (incl. hashing of a checksum), the anonymous identification of recurring users using a clearly defined key (Unique Key) and assorted forwarding of visitors to different target pages according to occupation, language or country (routing).



The Business Licence

The Business Licence (see ► 5.) includes all the features of the Basic and Economy Licence. You will in addition receive with the consent of the visitor his or her professional and contact information for your own use, for example for the establishment of a marketing distributor or the acquisition in your own CRM (Customer Relationship Management). Also included is access for employees of the company, as well. The feature "Alias" shows the visitor a single domain before and after login, even if the protected area is accessible from multiple domains.



Statistics

The additional option Statistics (see ► 6.1) can be combined with each licence version. It allows you a statistical evaluation of the login processes on your site by frequency and specific individual, as well as criteria such as profession, specialisation, field of activity or country.



Please note: The DocCheck Login can also be used in order to protect access when using mobile applications. For more details, see ► 7 below.



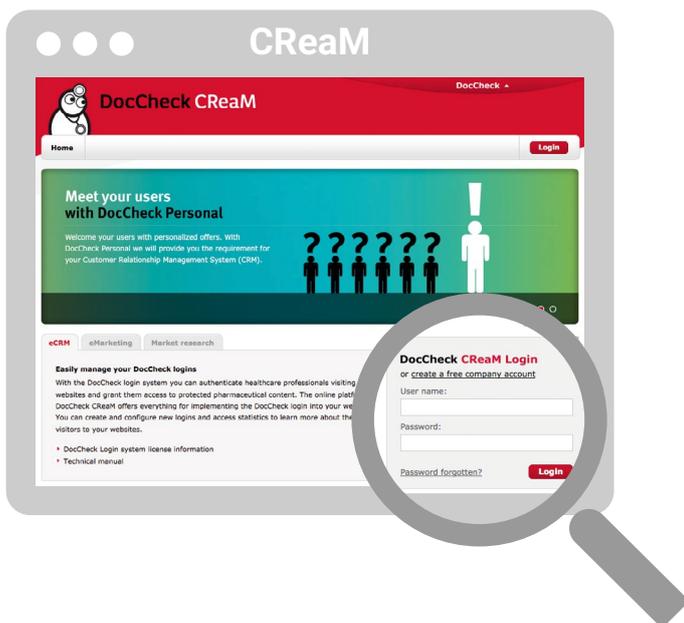
2 DocCheck CReaM

Implementation and management of your online logins

2.1 What is DocCheck CReaM?

DocCheck CReaM (<https://crm.doccheck.com>) is the web-based Customer Relationship Management (CRM) system, which serves as the configuration and management interface for DocCheck Logins. With registration with DocCheck you acquire access to DocCheck CReaM. There you are able not only to carry out the entire administration of your websites quickly and easily but also gain interesting details about the logins on your site. Here you can:

- create and customise logins for the protected areas of your websites
- configure special functions (such as routing)
- create and manage company and/or test passwords in order to enter your site (e.g. if you yourself do not belong to a med. specialist group) or to test your logins
- use the option "Statistics" to check out statistics relating to your logins



2.2 Implementation of the logins on your site

2.2.1 Step 1: Create company account in DocCheck CReaM

In order to create a company account or create the DocCheck Login, you will first need (assuming you do not have one) a DocCheck user account. Using the link <https://www.doccheck.com/com/account/register/> you can register free of cost.



Personal data

Job and address data

After registration a link will be sent to you for verification of your filed mail address.



Please note: For the set-up or management of the login it is sufficient to only be registered as a user. The activation only plays a role if you want to get access to other sites, for example those which are protected through our DocCheck Login – assuming that your specialist group is granted access to the relevant website (see ► 2.2.3, Step 2). After registration you are able to set-up and manage the password protection via our web-based login-configuration tool "DocCheck CreaM" on the site <https://crm.doccheck.com>. First of all register your company here: <https://crm.doccheck.com/com/registration>.

Registration of a company account

For website owners:

I am a website owner and want to use
DocCheck for my own website.

[Register website owner](#)



Country selection



Login



Most frequent problems/error messages with creating company accounts:

- The company's name is already taken in DocCheck CReaM:
Make sure that a company account for your client or company is already stored in our system. A short inquiry to industry@doccheck.com is sufficient for this. We will check it and happily send you alternative proposals.
- Please use a valid URL in the field "Company website":
with URL data entry please always specify <http://> before the address.



2.2.2 Step 1.1: Becoming administrator to the pre-existing company account

As briefly mentioned in ▶ 2.2.1 we can add your DocCheck user account as administrator to an existing company account. Please send us a brief, informally written confirmation from the company account owner (website owner).

- If you are an employee of an agency and wish to be filed as an administrator in one of your client's company accounts we will need written confirmation from your client. This can be sent by mail to industry@doccheck.com. It has to be identifiable through the e-mail domain and e-mail signature that this confirmation message has come from one of those authorised as such.
- You already work for a pharmaceuticals firm and wish to be added as administrator? Then please just send us proof of your profession.

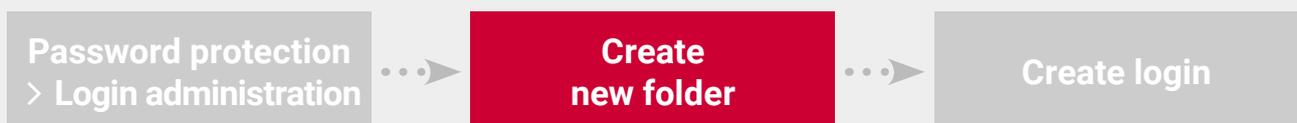
2.2.3 Step 2: Create login for your website

Log yourself in using your DocCheck user account (see ▶ 2.2.1) under <https://crm.doccheck.com/com/> into DocCheck CReaM.



Please note: When you have only just created a new company account, after registration you will automatically land on the CReaM-start page, on our so-called "Dashboard".

Through the tab "Password protection → Login administration" you can create new or adjust existing logins. When you create a login for the first time, to begin with please create a new folder (button: "Create new folder"). Then click on the button "Create login", in order to create a new login within the folder.



Creation of a login is carried out in three steps:

1. Provide basic data in the first tab inside the fields.
 - Name: Name of your login (e.g. name of website)
 - Login URL: URL of the page in which the login-form should be displayed (e.g. <http://www.pharma-test.com/>)
 - Target URL: URL of the page on which the user is supposed to end up after successful login (e.g. <http://www.pharma-test.com/protectedarea>)
 - Language: Language of the login form and the accompanying pages (such as "Password forgotten", "Registration", "Access not allowed")
 - Country: Target market of your site
 - Login Status: Choose between "Test", "Active", "Active, not listed" and "Locked".

Login status

Login-Status

Test

Test

Active

Active, not listed

Locked

...

Please select whether this login is used for testing purposes ('Test'), used live on a public website ('Active') or disabled ('Locked').

Active logins are advertised on the DocCheck Portal in the category 'websites with DocCheck' automatically. This helps interested visitors to find your website

If this is not desired, please select 'Active, not listed' as the login status.

Create new login

1. Basic data

2. Access groups

3. Code generation

4. Specials (optional)

Login name

Login URL

Target URL

Language

Country

Login status

save and continue

Please enter a descriptive name for this login here. This name will only be used within DocCheck CReaM and is not displayed to the visitors of your website.

To facilitate working with your logins, you could use the name of the website protected by this login. Further information about the use of the login could also be included.

Examples: "**My site**", "**Testserver - My site**" or "**My site - professionals**"

Please note: If your cursor is within one of the above fields, an information box with useful information appears on the right side when you create a login.

- In the second tab, you define the profession groups (physician, pharmacist, student, etc.) which are supposed to have access to your protected area.

Edit login

1. Basic data

2. Access groups

3. Code generation

4. Specials (optional)

Users with which professions should be admitted to the site?

Physician	<input type="checkbox"/>
Veterinary	<input type="checkbox"/>
Dentist	<input type="checkbox"/>
Pharmacist	<input type="checkbox"/>
Pharmaceutical Industry Employee	<input type="checkbox"/>
▶ Student	<input type="checkbox"/>
▶ Other Medical Professions	<input type="checkbox"/>
Other Non-Medical Professions	<input type="checkbox"/>

save and continue

The DocCheck Login enables you to define which profession groups can access your website. Members of other profession groups will be rejected with an explanatory message.

Please select the profession groups that should be granted access and click on 'save and continue'.

3. In the third tab, you select the design of the login form from four standard size options (S, M, L or XL). Here you get the HTML code for the iFrame which allows you to embed the login form into your website.

Edit Login

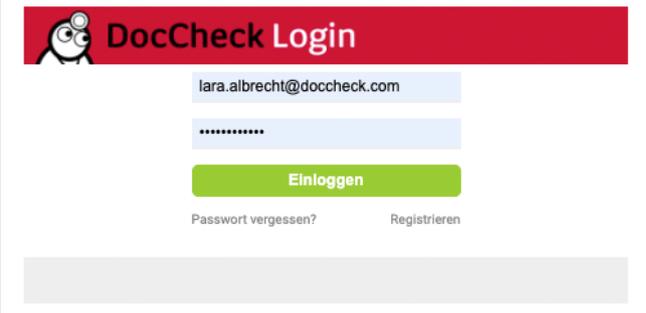
1. Basic data 2. Access groups **3. Code generations** 4. Specials (optional)

Please choose one of the available login templates, then copy and paste the HTML code into your website.

Login template

Login S Login M Login L Login XL

Language: German Country: Germany



HTML code

```
<iframe align="left" frameborder="0"
scrolling="no" width="467" height="231"
name="dc_login_iframe" id="dc_login_iframe"
src="https://login.doccheck.com/code/de/20000
00016698/login_xl/" > <a
href="https://login.doccheck.com/code/de/2000
00016698/login_xl/"
target="_blank">LOGIN</a></iframe>
```

Please select a login template for your DocCheck Login. After choosing the template and the country / language combination you can copy the HTML code and paste it to your website.

next



Please note: For a colour, language or complete design adaptation of the form please contact us at industry@doccheck.com.

4. In the fourth tab, you can see special functions that are associated with your login and you are able to configure them (provided the appropriate licence types were ordered and enabled on DocCheck's part).

Edit Login

1. Basic data 2. Access groups 3. Code generation **4. Specials (optional)**

This overview shows you the license functions which are currently active for this login.

Business license

Basic features

- User registration
- Profession check
- User support in 6 languages
- Basic password protection

Special features

- 0 Business: Access for company employees
- 4 Access eCard
- 4 Access IP
- 4 Economy: Profession Routing
- 3 Economy: Country Routing
- 3 Economy: Language Routing
- Discipline Routing
- Activity Routing
- 4 Economy: Transfer of Parameters
- 0 Economy: Unique key
- 0 Business: DocCheck Alias
- 4 Business: Personal
- 0 Business: Personal Fresh
- 3 Analysis: Personal Pool

Internal specials (admins only)

- 1 Additional encryption
- 3 Analysis: Personal Pool
- 5 Analysis: DocCheck VIP

Would you like to use all login specials in this license?

Specials assigned to this login

There are no assigned login specials

2.3 Modify a login

You can adjust an existing login under "Password protection → Login administration". Just click on the name of a login in the overview which has the corresponding ID.

Password protection
> Login administration

BioTest

BioTest (ID: 2000000073333)

In the next window, you can among other things modify the URLs (1. Basic data) or the authorised profession groups (2. Access groups) of a login (see also ▶ 2.2.3).

2.4 Configuration of the "Routing" function of the Economy Licence

When you use the "Routing" function of the Economy or Business Licence, you can configure this in DocCheck CreaM (through the tab "4. Specials") (see ► 4.3).



2.5 Creating company and test passwords

As a website owner, you can create user name/password combinations which only enable access to the protected area of your websites. A distinction is made here between the company passwords and test passwords.



Please note: The allocation of the user name as well as of a company password and of a test password operates exactly like the normal DocCheck user account, i.e. the name cannot and must not appear more than once in the DocCheck database.

2.5.1 Company passwords

Company passwords are valid only for the operator's sites. They can be passed onto authorised user groups by those empowered to do this by the website operators, for example to those not belonging to a medical professional circle (e.g. to sales agents, to internal employees, etc.).

In order to create company passwords, select the menu item "Password protection → Company passwords". Click on "Create new company password" and then select the logins for which the password should be valid.

You have the following three options:

1. Validity for all logins within your company account
2. Validity for all logins within one folder
3. Validity for only a single login

In the last step enter a unique user name and password. There is also the option of an expiry date.

Password protection
> Company passwords

Create new
company password

Customise login

🏠 Company: Bioboxx	1.	
📁 Products	2.	<input type="checkbox"/>
Physicians	3.	<input type="checkbox"/>
📁 Products		<input type="checkbox"/>
Cyberclassic		<input type="checkbox"/>
Cybericin		<input type="checkbox"/>
Cybericin (old)		<input type="checkbox"/>
Name of the login		<input type="checkbox"/>

Save selection

User name
doccheck_user

Password (encrypted)
.....

Valid until
12/31/2015

Save

Please note: Multi-selection of individual logins is unfortunately not possible.
I.e. you cannot assign a company password to separate folders with individual logins.



2.5.2 Test passwords

In order to test the functionality of your logins, we recommend the function "Test passwords". With the test passwords you can test out certain features of your website and logins. Test passwords behave like company passwords, but you can additionally set profession, country and/or language so as to test the function of the logins on your site dependent on these criteria. This includes, for instance, whether the authorised access group gets directed to the protected section of the website. The unauthorised profession group which does not belong to the desired group accordingly receives an error message. Equally well suited are the test passwords for the "Routing" functions (see ► 4.3) and those of the "Personal" features (see ► 5.1). Just try out various routing options with different profession groups (assuming you have the Economy or Business Licence).

The process of creating test passwords is the same as with the company passwords. Here again, you have the same options (see ► 2.5.1) with respect to validity.



Please note: As many company and test password changes and deletions can be made at any time and as many times as one wishes by the webmaster. Please note also that the profession group which is specified in the creation of test password function is also enabled under the access group of your login (see ► 2.2.3, Step 2). A test password being set as "Veterinarian" therefore also does not acquire the desired access to the protected site if "Veterinarian" is not enabled in the login.

Password protection
> Test passwords

Create new
test password

Customise login

Company: Bioboxx 1.	
Products 2.	<input type="checkbox"/>
Physicians 3.	<input type="checkbox"/>
Products	<input type="checkbox"/>
Cyberclassic	<input type="checkbox"/>
Cybericin	<input type="checkbox"/>
Cybericin (old)	<input type="checkbox"/>
Name of the login	<input type="checkbox"/>

Save selection

User name
DocCheck_testuser

Password (encrypted)
.....

Valid until
12/31/2015

Profession
Physician

Discipline
Internal Medicine (general)

Country of origin
United Kingdom

Language
English

2.6 Guidelines for integrating DocCheck Logins

When implementing the DocCheck Logins, note the following:

1. The HTML code provided by DocCheck for the iFrame may not be changed, if this means that
 - the function of the login form or the login gets restricted or changed
 - the login form is no longer or not fully displayed
 - the SRC attribute is changed
 - the alternative link is changed
 - the login form is not loaded directly from the DocCheck server
2. The credentials must be send directly towards the DocCheck Login server, encrypted and via POST.
3. A reading or storing of user name/password combinations by the information provider/website operator violates privacy protection and has **not been** integrated as an permissible function.
4. The input site must be placed in a public area of the relevant website (e.g. in the area of expert information).
5. The DocCheck user has to be able to immediately recognise the DocCheck access options (e.g. Through the use of the DocCheck logo and/ or the DocCheck mascot).
6. The login form must always contain the links to the pages "Password forgotten?" and "Apply for a password".



2.7 Technical information

2.7.1 Login-ID

The URL for the login template which is specified in the SRC attribute of the iFrame-tag and in an alternative link is structured as follows:

```
https://login.doccheck.com/code/12345/com/xl_red/
```

The number "12345" is for each login ID (Attribute "login_id"), the subsequent two to four digit letter code specifies the language of the iFrame ("de", "com", "fr", "it", "es", "nl", "frbe") and the freetext parameter ("s_red", "m_red", "l_red" oder "xl_red") yields the name of the template.

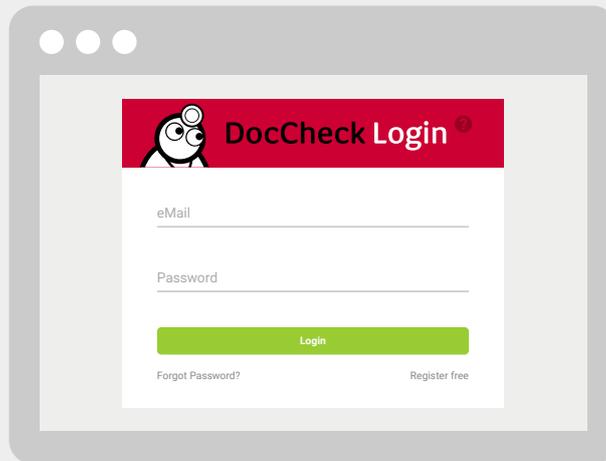
2.7.2 Frames

The target page for logins opens by default in the top frame. If the target, for instance with a frameset page, is supposed to be another frame, the name can be appended. Those permitted include "_top", "_parent", "_self" and "_blank":

```
https://login.doccheck.com/code/12345/com/xl_red/_parent/
```

2.7.3 Configuration example of an iframe HTML code

```
<iframe align="left" frameborder="0" scrolling="no" width="311" height="188" name="dc_login_iframe"
id="dc_login_iframe" src="https://login.doccheck.com/code/de/12345678/m_red/">
<a href="https://login.doccheck.com/code/de/12345678/m_red/"target="_blank">LOGIN</a></iframe>
```



2.7.4 Website-Parameter

If other parameters of your website are supposed to be consigned, they can easily be appended:

- https://login.doccheck.com/code/12345/de/xl_red/session_id=abcd/ok=1
It is recommended here that all non-alphanumeric characters be displayed with their corresponding hex codes in accordance with RFC.
- https://login.doccheck.com/code/12345/de/xl_red/x=y%20%3Fz%3E

Important: The functionality of access to the protected area is not allowed to be made conditional on **any** of these parameters:

- the URL login.doccheck.com (with potential. reference-checks)
- the IP addresses of the DocCheck servers
- the transfer of undocumented parameters ("dc=1")

Please note: Prerequisite for the site parameter is the special feature "Parameter transfer", which is available as part of the Economy Licence (see ► 3.2 and ► 4.1).



3 Additional security for your login

In addition to the DocCheck Login you can set-up extra security precautions on your server which impede direct entry into the protected area.

3.1 Setting a session variable in cookies

Precondition for setting a session variable is a dynamic page construction, e.g. ASP, ColdFusion, PHP etc. Setting of session variables must be carried out via your website.

Your website prior to login (e.g. on the login page) sets a session ID and stores this in a cookie. After login, your website makes another query to the cookie in the protected area. If it is not set or the session in question has expired, your website can deny access. Disadvantage: Users who do not accept cookies are not able to enter the protected area.

3.2 Transfer of parameters: Passing on a session ID through the login

Alternatively to the procedure in 3.1, the session ID can be transferred as a parameter through the DocCheck Login. This protection also works with disabled cookies. Transfer of parameter and the optional coding are part of the Economy and/or Business Licence (see ► 4.1).

The invocation sent to the protected area is only possible via bookmark or relayed link if the current session has not expired or the user has gotten a new valid Session ID and gained access in this way.

The former can be avoided by binding the session to the IP address of the user of your site. A relayed link does not work even with a valid Session ID. The latter risk is protected against by additional parameter encryption (see ► 3.3).

3.3 Encryption of parameters

As an additional security measure, the session ID can be provided during the password prompt with a checksum. This prevents a user from accessing a valid Session ID directly in the protected accessible area by tapping.

When acquiring the Economy or Business Licence you obtain a secret key from DocCheck, e.g. "L337P455". A checksum is calculated for session ID passed as the parameter "session_id" which occurs with the login process via MD5 (session_id , "L337P455"). This checksum is additionally returned to the session ID as "session_id_enc". On the target page, using the same method your site can verify whether the checksum is correct.



Please note: The "key" (postfix) can only be activated and generated by DocCheck and makes up part of the Economy or Business Licence. It must therefore be obtained from DocCheck.

3.4 Non-recommended security measures

The querying of referrers is not something we generally recommend because it is highly dependent on the browser.

We also advise against .htaccess-protection because current browsers no longer support bypass as such by invoking the URL: <http://login:password@www.websserver.xy>.



4 The Economy Licence in detail

The Economy Licence complements basic password protection features for additional security (see ▶ 3.) and for identifying recurring users.

4.1 Transfer and encryption of parameters

With the "Transfer of parameters" function you can transfer any parameters through the login back to your website.

The parameters are attached as "variable=value"-pairs to the URL in the iFrame:

```
https://login.doccheck.com/code/test=1/anderertest=abcde
```

If the values contain slashes (/) these have to be transferred as hexcode. Transferred parameters are attached to the target URL as GET parameters. On request, parameters can also be symmetrically encoded or provided with a checksum (see ▶ 3.3).

4.2 Unique Key

Using the Unique Key you can identify recurrent users anonymously. Each registered user possesses a unique, always consistent DocCheck ID. In the event of a login on your website DocCheck conveys the unique ID (Unique Key) in alphanumeric string form (up to 50 characters). You can allocate the data of a user to the Unique Key and offer him or her a personalised web site.

With each login the unique key of the user is transferred as a GetParameter to your website, for example

```
http://www.bioboxx.com/secure/script?uniquekey=a1b2c3
```

The Unique Key does not contain any personal data. For the transfer of personal data accompanied by consent of the user you can use the Business Licence's DocCheck Personal (see ▶ 5.1).



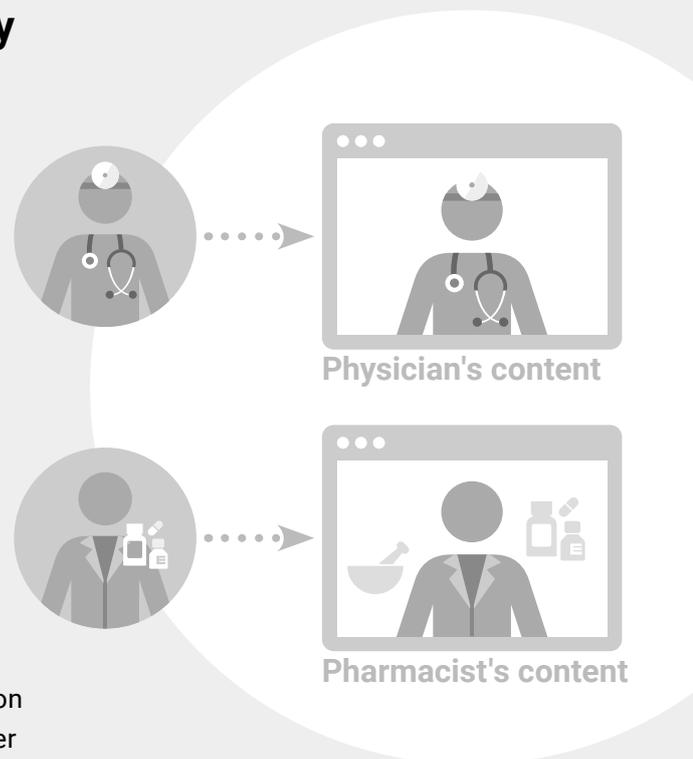
4.3 User routing by profession, country or language

Using the "Routing" function, you allocate to your users the pages which they seek. The use of routing is recommended if you

- have different site sections for (for instance) pharmacists and physicians
- offer different language versions for one product page
- offer different content for users from different countries.

To set up routing, your website needs to provide one specific URL or URL-parameter for each target group.

You set the destination URLs for the routing in the configuration tool CReAM under <https://crm.doccheck.com/com/>. Click under "Password protection → Login administration" in the login overview for the desired login for which you want to set up a routing, and select the tab "4. Specials (optional)".



Edit login

1. Basic data 2. Access groups 3. Code generation **4. Specials (optional)**

This overview shows you the license functions which are currently active for this login.

 Business license	Specials assigned to this login
Basic features <ul style="list-style-type: none">User registrationProfession checkUser support in 6 languagesBasic password protection	Economy: Country Routing <input type="checkbox"/> (configure)
Special features	Economy: Language Routing <input type="checkbox"/> (configure)
	Economy: Profession Routing <input type="checkbox"/> (configure)

If special "Routing" is enabled for the login, click the "Configure" link. Here you can – depending on the type of routing – select professions, countries or languages and specify each of the separate destination URLs.

Edit profession routing

Profession routing

Users of your DocCheck Login can be redirected to different target URLs depending on their profession

Select a profession:

Please select a profession

Add

01. Dentist

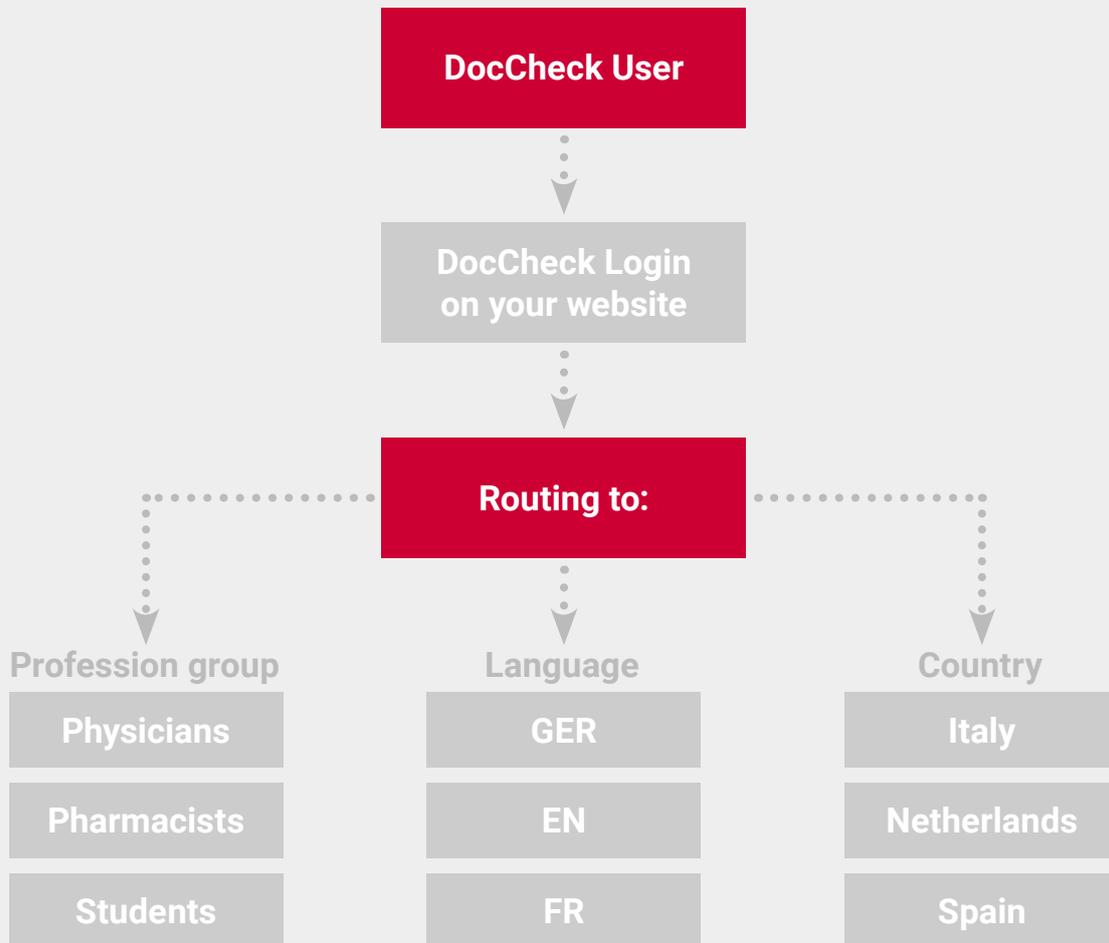
delete

02. Physician

delete

save

4.3.1 Principle & workflow of the routing



Password protection
> Login administration

BioTest Create login

BioTest (ID: 2000000007333)

1.
Basic data

2.
Access groups

3.
Code generation

4.
Specials (optional)

Specials assigned to this login 1.

Economy: Country Routing (configure)	-
Economy: Language Routing (configure)	-
Economy: Profession Routing (configure)	-

Select a profession:

Pharmacist 2. Add

02. Physician

http://www.bioboxx.com/physician 3.

save



5 The Business Licence in detail

The Business Licence includes all the features of the Economy Licence. In addition, you come into personal contact with the users of your web site.

5.1 DocCheck Personal – transfer of visitor's personal data

With DocCheck "Personal", when given the user's consent you acquire the user's personal data (name, address, e-mail address, profession, specialty for physicians). You can take these pieces of data into your own Customer Relationship Management (CRM) System.

After logging in, the user will see an intermediate page that displays a form with his or her data and the reason for data sharing is explained. The user is asked to consent to data sharing.

The screenshot shows a web form with a red header containing the DocCheck logo and name. The main content area is white and contains the following text:

John, this website would like to get to know you!

Please note the following message of Bioboxx:

The company **Bioboxx** provides services specifically tailored to your needs. If you would like to use the services on this website, **Bioboxx** kindly asks for some information about you.

This is your calling card:

John Doe
Physician (Surgery - Orthopaedic and Trauma Surgery)
john.doe@doe-clinics.com
50823 Germany

Not your current data? [Click here ...](#)

Yes, I agree with the transmission of these data to **Bioboxx** and accept the terms and conditions of Bioboxx.

No, I prefer to enter this website anonymously.

At the bottom of the form, there are links for "Terms of use", "Privacy", and "Imprint", and a copyright notice: "© 2021 DocCheck Community GmbH".



For the purposes of ease of use, we recommend also granting access to your website to those users who do not consent to the data transfer.



Please note: The link to the "Terms of service" has to be provided by the website operator.

Updating the data

The consent query and the transfer of user data occurs once as a default condition at first login. From the user's second login onward only the user's Unique Key (see ► 4.2) is transferred, which makes the user recognisable, and allows personal data (provided he or she has consented to it) to be assigned.

In addition, with every login of a user on your site it is checked whether the user has changed data in DocCheck since their last visit your site. If this is the case, the user will be prompted again to confirm his or her updated data. Your user data is thus kept automatically up to date.

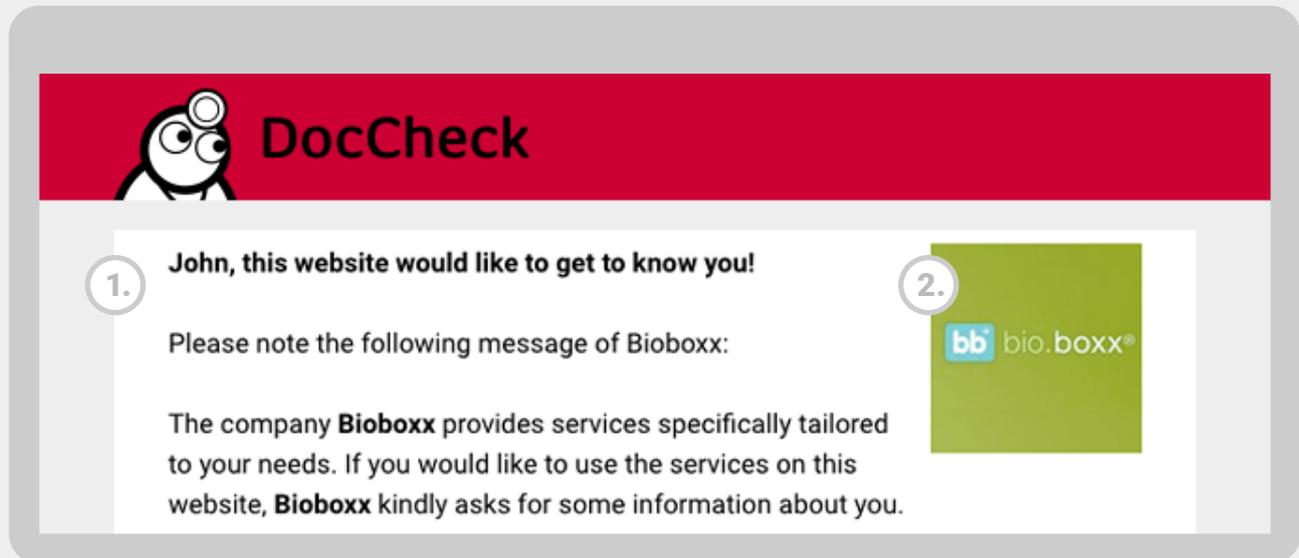


Please note: As a website owner you can decide whether the form should only be displayed once or, for example, until the user has consented to the data transfer (see ► 5.1.3).

5.1.1 Form customisation

Adjustment of single-line text and integration of your logo

1. The standard greeting text above the personal form can be adapted according to your personal wishes (our recommendation: max. 2 paragraphs of 3-4 lines).
2. In addition, your company logo can be included (max. size of logo: 125px x 125px; image file: PNG; background: transparent).



5.1.2 Adapting query to the consent function

The query for agreement to data transfer is carried out in the default setting basically only once with a first run of the login process, but can be adjusted according to your needs. Please contact us if you have this in mind.

Expanded validity of consent for all logins in your company

Do you use the DocCheck Login and the "Personal" function on multiple pages of your company, but do not want to ask for your users' consent again on each web page? This feature allows the users to be asked only once to give consent and that the answer be stored on all web pages of your company.

Displaying the form at every login until the user agrees

By default, the user is asked to give consent at first login. The selection will be saved and the form does not appear again. With this function you display the personal form to those users who have not consented to data transfer at every login until he or she has consented to the data transfer.

Data transfer with non-consent

If a user does not consent to the transfer of his or her data, the Unique Key will nonetheless be transferred for anonymous re-identification.

5.1.3 Technicalities of DocCheck Personal transfer of data

The data of the user is encoded on request as a GET parameter (see ► 2.7.4) and conveyed in the URL to a script on your server, such as:
`http://www.xyz.com/script?dc_name=Blow&dc_vorname=Joe&dc_...`

A Unique Key for each user (see ► 4.2) is also transferred as a parameter.

The following parameters can be transferred if desired:

Parameter	Name	Value
Salutation	dc_anrede	Mr/Ms
Gender	dc_gender	m/f
Title	dc_titel	e.g. Dr.
Forename	dc_vorname	e.g. Joe
Surname	dc_name	e.g. Blow
Street	dc_strasse	e.g. Test Street 123
Country	dc_land	ISO Code (e.g. "uk", "fr")
Language	dc_language_id	ID
Profession	dc_beruf	e.g. Physician, Pharmacist (Transfer as ID)
Discipline (for physicians only)	dc_fachgebiet	e.g. Internal medicine (Transfer as ID)
Activity	dc_activity	e.g. Clinic (Transfer as ID)
E-mail address	dc_email	e.g. example@company.com
Address type	dc_address_type	Internal address type (1 = private; 3 = clinic; transfer as ID)
Unique Key (s. ► 5.2)	uniquekey	e.g. a41a1938120325c75c8c1572b044
Status of Confirmation*	dc_agreement	0 = not confirmed; 1 = confirmed

* **Note:** The status of confirmation provides no information about the time of confirmation. It only shows whether a DocCheck user has transmitted their personal data in the past or not.



Please note: The significance and the subdivisions of the transmitted IDs of the respective parameters (profession, specialisation, department, address or country) can be found under following links:

- Profession-ID list:
<http://www2.doccheck.com/service/info/codes.php?language=de&scope=profession>
- Discipline-ID list:
<http://www2.doccheck.com/service/info/codes.php?language=de&scope=discipline>
- Activity-ID list:
<http://www2.doccheck.com/service/info/codes.php?language=de&scope=activity>
- Address-ID list:
http://www2.doccheck.com/service/info/codes.php?language=de&scope=address_types
- Country-ID list:
<http://www2.doccheck.com/service/info/codes.php?language=de&scope=country>
- Language-ID list:
<http://www2.doccheck.com/service/info/codes.php?language=de&scope=language>
- Additional-ID list:
<http://www2.doccheck.com/service/info/codes.php?language=de&scope=additional>

5.1.4 DocCheck Personal – behaviour of Company & Test passwords

When logging in with a company password the personal form does not appear.

When logging in with test passwords the personal form is filled out with standard data, with which you can test the transfer of special characters to your website. Changes in personal form are **not** transmitted with test passwords. Standard test data is always transmitted.

The following parameters are always transmitted:

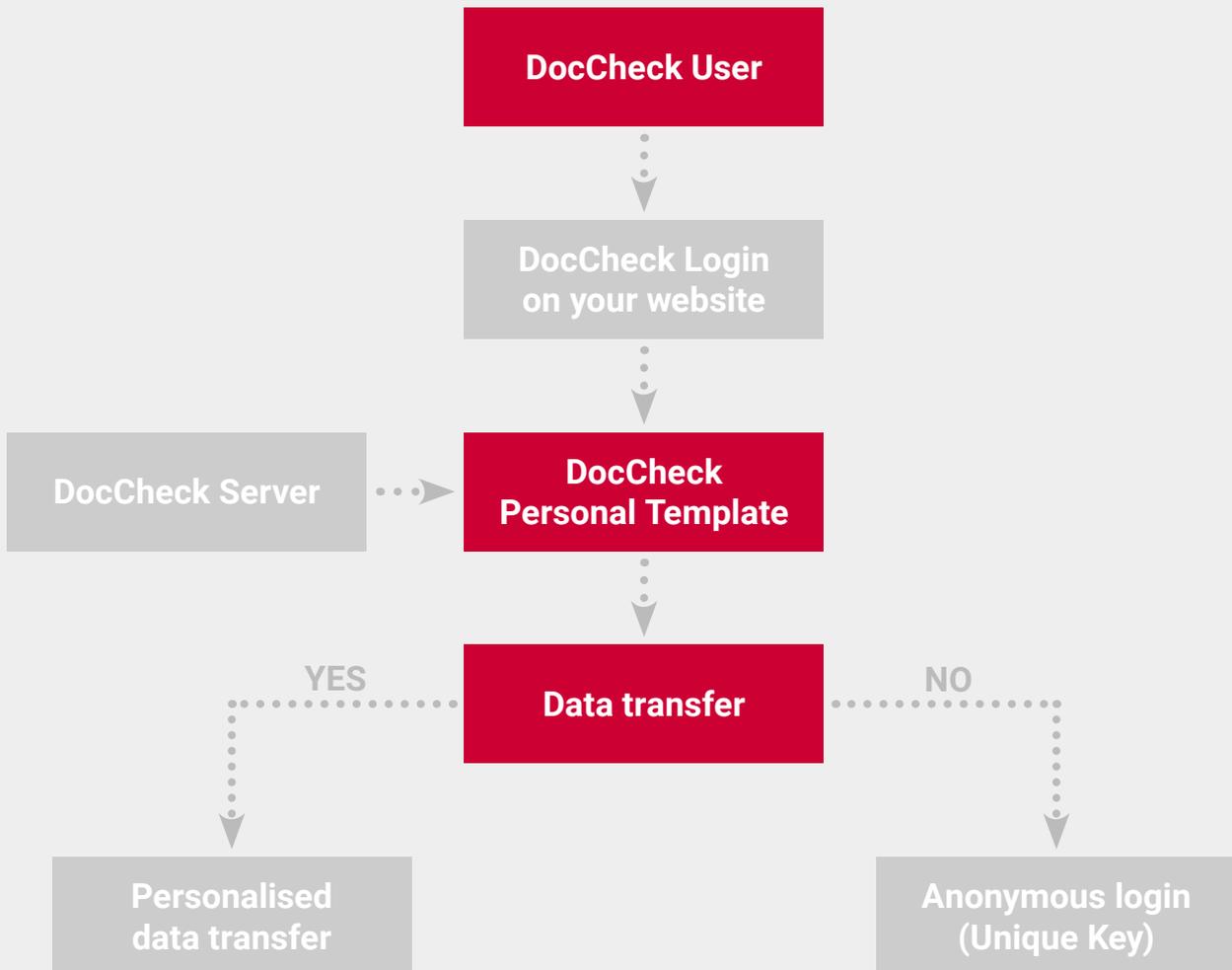
Profession, Discipline, Country & Language = according to whichever is selected

- Surname: Example_ÄÖÜ
- Forename: Example_äüöß
- Title: Dr.
- E-mail address: info@doccheck.com
- Street: Example_éeî
- Postcode: 50823
- City: Köln



Please note: Please be aware that with test passwords the personal form is to be displayed at each login – no matter whether you have agreed to the transfer of data or not.

5.1.5 Principle of DocCheck Personal

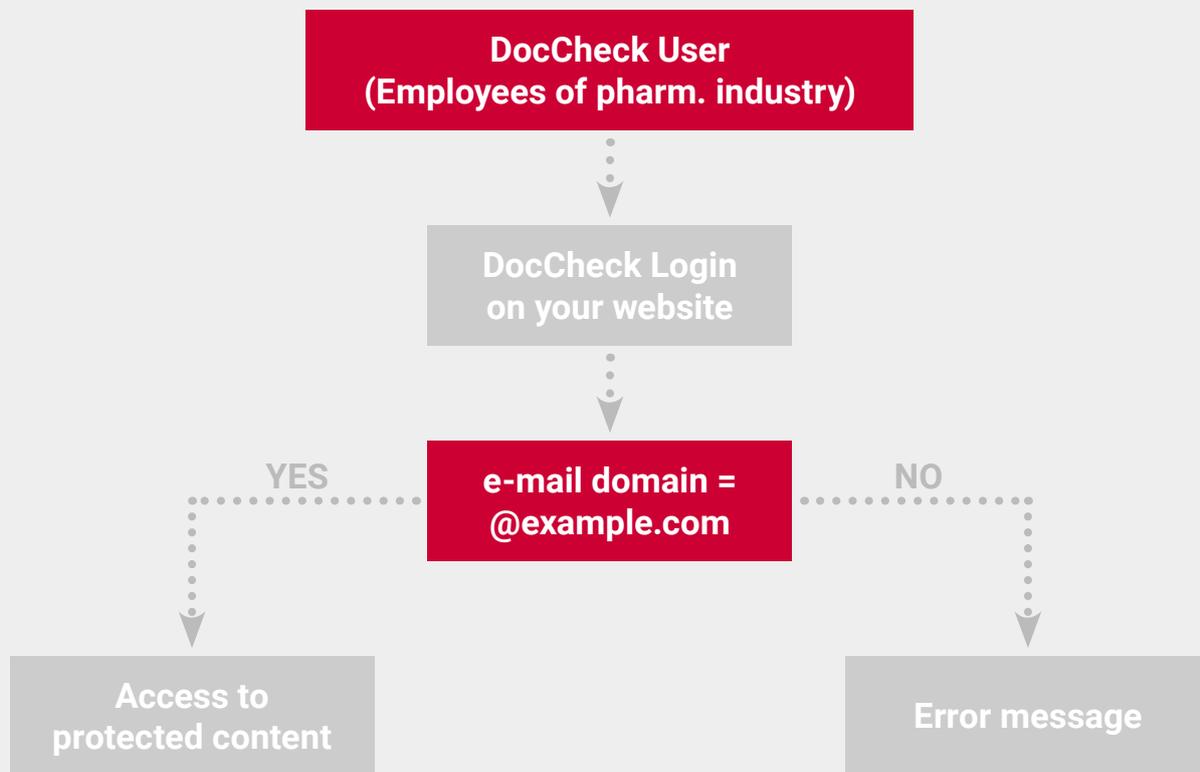


5.2 Access for the company's employees

Normally, you control access to your website by selecting the approved profession groups (physicians, pharmacists, students, employees of the pharmaceutical industry etc.) via the configuration tool CReaM (see ► 2.2.3). If you as a pharmaceutical company provide protection to a website with DocCheck and wish to exclude the group "Employees of the pharmaceutical industry", employees of your company also no longer have access when using their DocCheck passwords.

We can prevent this happening by permitting that only employees of your company from within the group "Employees of the pharmaceutical industry" get access.

From a technical viewpoint, the e-mail domain of the user is checked at login. If the e-mail address is one belonging to your company, the user will be authorised, otherwise he or she will be denied access. Please send us for this reason the e-mail domains which are supposed to continue to have access to your site despite the disabling of the profession group (the pharmaceutical industry employees).



Please note: Employees of other companies who are registered with DocCheck as a physician or pharmacist continue to have access to your site.

5.3 DocCheck Alias – Keep the starting URL after login

Your website uses different addresses (= domains), but should the domain remain visible to the user before and after login? This can be accomplished through DocCheck Alias.

Example: Your website can be reached under the following domains:

- www.indication24.com
- www.indication-online.com
- www.indication.com

By default, the user after login is only directed on to one destination URL (e.g. www.indication.com/physicians) no matter under which domain he or she has logged in. With DocCheck Alias the user is shown the target URL matching the originally invoked domain.

Example: A user visits the site www.indication24.com and logs in through DocCheck to the specialist area. The URL is kept in his or her browser; he or she sees for instance www.indication24.com/physicians in the browser bar, although in the login configuration system CreaM the filed destination URL is www.indication-online.com/physicians.





6 Statistics option in detail

6.1 Statistics on the usage of your site

The additional option statistics can be combined with any licence (Basic, Economy, Business or App). Here you can retrieve the statistical analysis for all your company's logins in DocCheck CReAM. Under "Password protection → Statistics" you can find out which professional and specialist groups log in on your site and how often. A breakdown by age, gender, country or region is also possible. This way you find out with which users your website goes down particularly well, and you can optimise the contents accordingly.

Filtering occurs through the statistics tool based on the following attributes:

1. Time interval:

- Start and end date

2. Filter:

- All login actions
- Unique visitors per day

3. Evaluation:

- Logins per day
- Professional groups
- Specialties (Physicians)
- Fields of activity (Physicians)
- Fields of activity (Pharmacists)
- Majors (Students)
- Gender
- Countries
- Postcode (DE)
- Age
- Login rate per user

The statistical analysis of logins may be carried out as follows:

1. For all logins within your company accounts
2. For all logins within a folder
3. For only a single login



Please note: Multiple selection of several individual logins or different folders is possible here.

Password protection
> Statistics

Select logins

Customise login

All logins of the company Bioboxx 1.

Login myhealth 2.

arturo 3.

Main

BioTest

BioTest

Save selection

Statistics

Start date:

01/01/2015

End date:

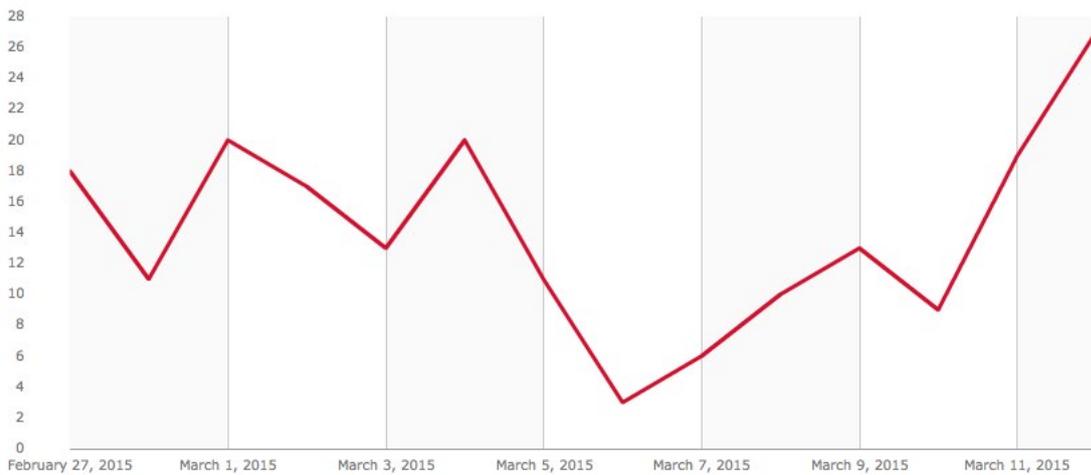
03/12/2015

Filter:

All login actions

Evaluation:

Logins per day



Statistics

Start date:

01/01/2015

End date:

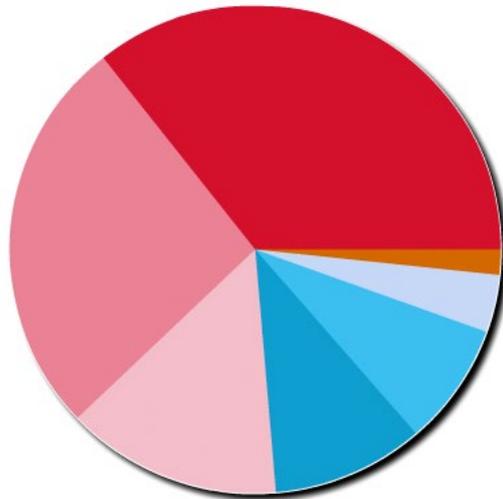
03/12/2015

Filter:

All login actions

Evaluation:

Professional groups



- Physician
- Pharmacist
- Company Password
- Pharmaceutical Industry Employee
- Other medical professions
- Student/in
- Summed others (< 2% each)





7 DocCheck App Login

The DocCheck Login may be also be employed for authentication of the professional affiliation in mobile applications including iOS or Android. For integration of the DocCheck Login you need the Mobile Login Framework.

For details please visit: https://github.com/antwerpes?q=dc_



8 DocCheck Search

The search engine for login protected content

DocCheck Search - The search engine for login protected content While other search engines capitulate when facing HWG (German laws on pharmaceuticals advertising), DocCheck only then really gets going: the first search engine for healthcare professionals leads your audience safely to information on your protected product!

For detailed information click here: <http://www.doccheck.com/com/search/seo/>



9 Your contact



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Product Manager



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10 Attachment A

Example for the encryption of parameters

10.1 DocCheck-Login-Code examples

10.1.1 Standard

IFRAME:

https://login.doccheck.com/code/de/xl_red/000000

Target URL (example, defined by client):

<http://www.yourserver.com/?login=ok>

Landing page:

```
if ($_GET['login'] == 'ok') {
    $_SESSION['is_logged_in'] = 'yes';
} else {
    Header('Location: loginn.php');
    exit();
}
```

On any other page except login.php:

```
if ($_SESSION['is_logged_in'] != 'yes') {
    Header('Location: login.php');
    exit();
}
```

10.1.2 Routing

IFRAME:

as in standard

Target URL (example, defined by client):

<http://www.yourserver.com/?...&profession=physician>

Landing page:

```
Header('Location: ' . $_GET['profession'] . '.php');
exit();
```



10.1.3 Transfer

IFRAME:

as in standard

Return URL:

http://www.yourserver.com/?...&dc_profession_id=1

Landing page:

```
if ($_GET['dc_profession_id'] == 1) {  
    Header('Location: physicians.php');  
    exit();  
} else if ($_GET['dc_profession_id'] == 2 {  
    Header('Location: pharmacists.php');  
    exit();  
}
```

10.1.4 Unique Key

IFRAME:

as in standard

Return URL:

<http://www.yourserver.com/?...&uniquekey=abcde>

Landing page:

```
$strUserId = $_GET['uniquekey'];  
$_SESSION['dc_user_id'] = $strUserId;
```

10.1.5 Personal

IFRAME:

as in standard

Return URL:

http://www.yourserver.com/?...&uniquekey=abcd&dc_vorname=John&dc_nachname=Doe&...

Landing page:

```
$strFirstName = $_GET['dc_vorname'];  
$strLastName = $_GET['dc_nachname'];  
$strUserId = $_GET['uniquekey'];  
storeOrUpdateUser($strUserId, array('first_name' => $strFirstName, ...));
```



10.1.6 Parameter

IFRAME:

https://login.doccheck.com/code/de/xl_red/000000/a=b/c=d/e=foo{slash}bar

or form:

```
<input type="hidden" name="a" value="b">
<input type="hidden" name="c" value="d">
<input type="hidden" name="e" value="foo/bar">
```

Return URL:

<http://www.yourserver.com/?...&a=b&c=d&e=foo/bar>

Landing page:

```
$a = $_GET['a'];
$c = $_GET['c'];
$e = $_GET['e'];
echo $e; // yields "foo/bar"
```

10.1.7 Session ID hashing

IFRAME:

https://login.doccheck.com/code/de/xl_red/000000/session_id=abc

or form:

```
<input type="hidden" name="session_id" value="abc">
```

Return URL:

http://www.yourserver.com/?...&session_id=abc&session_id_enc=xyz

Landing page:

```
$strSecretKey = '_AM_SECRET';
// set same secret as crypto key for this login within CReaM or have DocCheck set it for you
$strSessionId = $_GET['session_id'];
$strChecksum = $_GET['session_id_enc'];
$strChecksumLocal = md5($strSessionId . $strSecretKey); // postfix
// or md5($strSecretKey . $strSessionId) if prefix was chosen
if ($strChecksumLocal == $strChecksum) {
    session_id($strSessionId);
} else {
    die("Session ID not found");
}
```