

# KEYPHRENE ' S BLOG

## authenticate method in PHP

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<?
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// function to parse the http auth header
function http_digest_parse($txt)
{
    // protect against missing data
    $needed_parts = array('nonce'=>1, 'nc'=>1, 'cnonce'=>1, 'qop'=>1, 'username'=>1, 'uri'=>1,
'response'=>1);
    $data = array();

    preg_match_all('@(\w+)=(["']?)([%a-zA-Z0-9=.\_ -]+)\2@', $txt, $matches, PREG_SET_ORDER);

    foreach ($matches as $m) {
        $data[$m[1]] = $m[3];
        unset($needed_parts[$m[1]]);
    }

    return $needed_parts ? false : $data;
}

function AuthenticationDigestHTTP($realm, $users, $phpcgi=0) {
    if (empty($_SERVER['PHP_AUTH_DIGEST']) && empty($_SERVER[
'REDIRECT_REMOTE_USER'])) {
        header('HTTP/1.1 401 Unauthorized');
        header('WWW-Authenticate: Digest realm="'. $realm. '" qop="auth" nonce="'. uniqid(rand(), true). '"
opaque="'. md5($realm). '"');
        die('401 Unauthorized');
    }
    // analyze the PHP_AUTH_DIGEST variable
    $auth = $_SERVER['PHP_AUTH_DIGEST'];
    if ($phpcgi == 1) {
        $auth = $_SERVER['REDIRECT_REMOTE_USER'];
    }
    $data = http_digest_parse($auth);
    if (!array_key_exists($data['username'], $users)) {
        header('HTTP/1.1 401 Unauthorized');
    }
}

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    die('401 Unauthorized');
}

// generate the valid response
$A1 = md5($data['username'] . ':' . $realm . ':' . $users[$data['username']]);
$A2 = md5($_SERVER['REQUEST_METHOD'] . ':' . $data['uri']);
$valid_response = md5($A1 . ':' . $data['nonce'] . ':' . $data['nc'] . ':' . $data['cnonce'] . ':' . $data['qop'] . ':' . $A2);

if ($data['response'] != $valid_response) {
    header('HTTP/1.1 401 Unauthorized');
    die('401 Unauthorized');
}
return TRUE;
}

function AuthenticationBasicHTTP($realm, $users, $phpcgi=0) {
    if (empty($_SERVER['PHP_AUTH_USER']) && empty($_SERVER['REDIRECT_REMOTE_USER'])) {
        header('WWW-Authenticate: Basic realm="'. $realm . '"');
        header('HTTP/1.0 401 Unauthorized');
        die('401 Unauthorized');
    }

    $user = $_SERVER['PHP_AUTH_USER'];
    if ($phpcgi == 1) {
        $matches = explode(' ', $_SERVER['REDIRECT_REMOTE_USER']);
        list($name, $password) = explode(':', base64_decode($matches[1]));
        $_SERVER['PHP_AUTH_USER'] = $user = strip_tags($name);
        $_SERVER['PHP_AUTH_PW'] = strip_tags($password);
    }

    if (array_key_exists($user, $users) && $users[$user] == $_SERVER['PHP_AUTH_PW']) {
        return TRUE;
    }

    header('WWW-Authenticate: Basic realm="'. $realm . '"');
    header('HTTP/1.0 401 Unauthorized');
    die('401 Unauthorized');
    return FALSE;
}

?>

```

**TAGS** : Script PHP authentication Digest Basic for Webdav