

RD Web Access and Web Client Theme Development Tutorial

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A comprehensive guide to developing custom themes for Remote Desktop Web Access (RD Web Access) and RDS Web Client. Learn to customize the appearance and branding of your RD Web interface.

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Overview

Remote Desktop (RD) Web Access provides a browser-based interface for accessing remote desktops and applications. Theme development allows you to customize the appearance and branding of the RD Web client to match your organization's identity and requirements.

This tutorial covers:

- Creating custom themes from scratch
- Styling the login/logon page
- Customizing the connection center interface
- Integrating custom images and assets
- Implementing responsive design
- Deploying themes to production
- Advanced customization techniques

Prerequisites

Before starting, ensure you have:

- **Windows Server 2012 R2 or later** with Remote Desktop Services installed
- **Remote Desktop Web Access role service** enabled
- **Basic knowledge** of HTML, CSS, and JavaScript

- **Administrator access** to the RDS server
- **Text editor or IDE** for development (Visual Studio Code, Sublime Text, etc.)
- **Modern web browser** for testing (Edge, Chrome, Firefox, Safari)

Architecture

Key Components

Component	Description	Location
RDCClientHost.html	Main entry point for web client	Web root
Themes Folder	Theme storage directory	%ProgramFiles%\Rds\Web\App_Themes
CSS Files	Style sheets for theming	Theme folder
JavaScript Files	Client-side logic	Theme folder
Image Assets	Logo, backgrounds, icons	App_Themes\YourTheme\images

Directory Structure



```
%ProgramFiles%\Remote Desktop Services\Web Access\App_Themes\  
├── Default/  
│   ├── theme.css  
│   ├── logon.css  
│   ├── theme-rtl.css  
│   └── images/  
│       ├── logo.png  
│       ├── background.jpg  
│       └── icons/  
├── CustomTheme/  
│   ├── theme.css  
│   ├── logon.css  
│   ├── theme-rtl.css  
│   └── images/
```

Getting Started

Step 1: Create Theme Directory



bash

Navigate to themes folder

```
cd "%ProgramFiles%\Remote Desktop Services\Web Access\App_Themes"
```

Create new theme directory

```
mkdir MyCustomTheme
```

```
cd MyCustomTheme
```

Create subdirectories

```
mkdir images
```

Step 2: Copy Base Files

Copy the following files from the Default theme:

- theme.css - Main stylesheet for connection center
- logon.css - Login page stylesheet
- theme-rtl.css - Right-to-left language support



bash

Copy from Default theme (adjust path as needed)

```
copy ..\Default\theme.css .
```

```
copy ..\Default\logon.css .
```

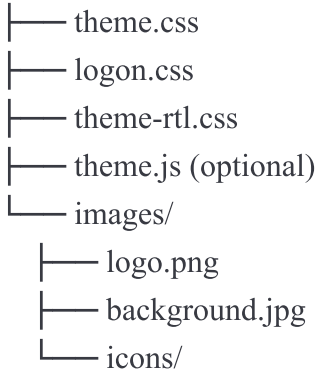
```
copy ..\Default\theme-rtl.css .
```

Step 3: Create Folder Structure

Ensure your theme has this structure:



MyCustomTheme/



Customizing Login Page

logon.css Examples

Brand Logo



CSS

```
/* Logo and branding */  
.brandinglogo {  
    background-image: url('images/mylogo.png');  
    background-size: contain;  
    background-repeat: no-repeat;  
    width: 300px;  
    height: 100px;  
    margin: 0 auto;  
}
```

Background Styling



CSS

```
/* Login page background */
```

```
body.logon {  
  background-color: #f0f0f0;  
  background-image:  
    linear-gradient(rgba(0, 0, 0, 0.3), rgba(0, 0, 0, 0.3)),  
    url('images/background.jpg');  
  background-size: cover;  
  background-position: center;  
  background-attachment: fixed;  
}
```

Form Container



CSS

```
/* Login form container */
```

```
.formcontainer {  
  background-color: #ffffff;  
  border-radius: 8px;  
  box-shadow: 0 2px 10px rgba(0, 0, 0, 0.1);  
  padding: 30px;  
  max-width: 400px;  
  margin: 0 auto;  
}
```

```
/* Form title */
```

```
.formtitle {  
  font-size: 20px;  
  font-weight: 600;  
  color: #333333;  
  margin-bottom: 20px;  
  text-align: center;  
}
```

Input Fields



CSS

/ Text and password inputs */*

```
input[type="text"],
input[type="password"] {
  width: 100%;
  border: 1px solid #cccccc;
  padding: 10px 12px;
  margin: 8px 0;
  border-radius: 4px;
  font-size: 14px;
  box-sizing: border-box;
  transition: border-color 0.3s ease;
}

input[type="text"]:focus,
input[type="password"]:focus {
  outline: none;
  border-color: #0078d4;
  box-shadow: 0 0 5px rgba(0, 120, 212, 0.3);
}
```

Buttons



CSS

/ Login button */*

```
.button,
input[type="button"] {
    width: 100%;
    background-color: #0078d4;
    color: white;
    border: none;
    padding: 10px 20px;
    border-radius: 4px;
    cursor: pointer;
    font-weight: bold;
    font-size: 14px;
    transition: background-color 0.3s ease;
    margin-top: 15px;
}
```

```
.button:hover,
input[type="button"]:hover {
    background-color: #005a9e;
}
```

```
.button:active,
input[type="button"]:active {
    background-color: #003d7a;
}
```

Error Messages



CSS

```
/* Error messages */
```

```
.errorMessage,  
.error {  
    background-color: #ffebee;  
    color: #d32f2f;  
    border-left: 4px solid #d32f2f;  
    padding: 12px;  
    margin: 15px 0;  
    border-radius: 2px;  
    font-weight: 500;  
}
```

```
/* Warning messages */
```

```
.warning {  
    background-color: #fff3e0;  
    color: #e65100;  
    border-left: 4px solid #e65100;  
    padding: 12px;  
    margin: 15px 0;  
}
```

Checkboxes and Links



CSS


```
/* Checkbox styling */
input[type="checkbox"] {
    margin-right: 8px;
    cursor: pointer;
}

/* Links */
a {
    color: #0078d4;
    text-decoration: none;
    transition: color 0.3s ease;
}

a:hover {
    color: #005a9e;
    text-decoration: underline;
}
```

Customizing Connection Center

theme.css Examples

Overall Layout



CSS

/ Page styling */*

```
html, body {  
  margin: 0;  
  padding: 0;  
  background-color: #f5f5f5;  
  font-family: 'Segoe UI', -apple-system, BlinkMacSystemFont, sans-serif;  
  color: #333333;  
  height: 100%;  
}  
  
* {  
  box-sizing: border-box;  
}
```

Header Bar



CSS

```
/* Header/Navigation bar */
```

```
#header,  
.header {  
  background-color: #0078d4;  
  color: white;  
  padding: 15px 20px;  
  box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);  
  display: flex;  
  align-items: center;  
  justify-content: space-between;  
}
```

```
/* Header logo */
```

```
.headerlogo {  
  background-image: url('images/logo-white.png');  
  background-size: contain;  
  background-repeat: no-repeat;  
  width: 40px;  
  height: 40px;  
  display: inline-block;  
}
```

```
/* Header title */
```

```
.headertitle {  
  font-size: 18px;  
  font-weight: 600;  
  margin-left: 15px;  
  display: inline-block;  
}
```

Workspace Tiles



CSS

```
/* Desktop/Application tiles container */  
.workspaces,  
.workspace-grid {  
  display: grid;  
  grid-template-columns: repeat(auto-fill, minmax(200px, 1fr));  
  gap: 15px;  
  padding: 20px;  
}
```

```
/* Individual workspace item */  
.workspaceitem,  
.workspace-tile {  
  background-color: white;  
  border: 1px solid #e0e0e0;  
  border-radius: 6px;  
  padding: 15px;  
  cursor: pointer;  
  transition: all 0.3s ease;  
  box-shadow: 0 1px 3px rgba(0, 0, 0, 0.05);  
}  
  
.workspaceitem:hover,  
.workspace-tile:hover {  
  box-shadow: 0 4px 12px rgba(0, 0, 0, 0.15);  
  transform: translateY(-2px);  
  border-color: #0078d4;  
}
```

```
/* Workspace icon */  
.workspace-icon {  
  width: 48px;  
  height: 48px;  
  margin-bottom: 10px;  
}
```

```
/* Workspace title */  
.workspacetitle,  
.workspace-name {  
  font-size: 16px;  
  font-weight: 600;  
  color: #000000;
```

```
margin: 10px 0 5px 0;
}

/* Workspace description */
.workspacedescription,
.workspace-description {
  font-size: 13px;
  color: #666666;
  line-height: 1.4;
}
```

Navigation Menu



CSS

```

/* Side navigation menu */
.navmenu,
.sidebar {
    background-color: #f9f9f9;
    border-right: 1px solid #e0e0e0;
    padding: 0;
    width: 220px;
}

/* Menu items */
.navmenuitem,
.menu-item {
    padding: 12px 20px;
    color: #333333;
    cursor: pointer;
    border-left: 3px solid transparent;
    transition: all 0.3s ease;
}

.navmenuitem:hover,
.menu-item:hover {
    background-color: #e8e8e8;
}

/* Active menu item */
.navmenuitem.active,
.menu-item.active {
    background-color: #e3f2fd;
    border-left-color: #0078d4;
    color: #0078d4;
    font-weight: 600;
}

```

Buttons



CSS

```
/* Primary button */
.primarybutton,
.btn-primary {
  background-color: #0078d4;
  color: white;
  border: none;
  padding: 8px 16px;
  border-radius: 4px;
  cursor: pointer;
  font-weight: 500;
  transition: background-color 0.3s ease;
}
```

```
.primarybutton:hover,
.btn-primary:hover {
  background-color: #005a9e;
}
```

```
/* Secondary button */
.secondarybutton,
.btn-secondary {
  background-color: #ffffff;
  color: #0078d4;
  border: 1px solid #0078d4;
  padding: 8px 16px;
  border-radius: 4px;
  cursor: pointer;
  font-weight: 500;
  transition: all 0.3s ease;
}
```

```
.secondarybutton:hover,
.btn-secondary:hover {
  background-color: #f0f8ff;
}
```

```
/* Danger button */
.dangerbutton,
.btn-danger {
  background-color: #d32f2f;
  color: white;
```

```
border: none;
padding: 8px 16px;
border-radius: 4px;
cursor: pointer;
}

.dangerbutton:hover,
.btn-danger:hover {
background-color: #b71c1c;
}
```

Dialogs and Modals



CSS


```
/* Modal/Dialog overlay */
```

```
.modal-overlay {  
  position: fixed;  
  top: 0;  
  left: 0;  
  right: 0;  
  bottom: 0;  
  background-color: rgba(0, 0, 0, 0.5);  
  display: flex;  
  align-items: center;  
  justify-content: center;  
  z-index: 1000;  
}
```

```
/* Modal dialog */
```

```
.modal {  
  background-color: white;  
  border-radius: 8px;  
  box-shadow: 0 5px 40px rgba(0, 0, 0, 0.3);  
  max-width: 500px;  
  width: 90%;  
  padding: 20px;  
}
```

```
/* Modal header */
```

```
.modal-header {  
  border-bottom: 1px solid #e0e0e0;  
  padding-bottom: 15px;  
  margin-bottom: 15px;  
}
```

```
/* Modal title */
```

```
.modal-title {  
  font-size: 18px;  
  font-weight: 600;  
  color: #333333;  
}
```

```
/* Modal content */
```

```
.modal-content {  
  padding: 15px 0;
```

```
}

/* Modal footer */
.modal-footer {
    border-top: 1px solid #e0e0e0;
    padding-top: 15px;
    margin-top: 15px;
    text-align: right;
}

.modal-footer .button {
    margin-left: 10px;
}
```

Adding Assets

Image Specifications

Asset	Type	Format	Size	Optimization
Logo		PNG	300x100px	<100KB
Background		JPG	1920x1200px	<500KB
Icons		PNG	32x32 or 48x48px	<50KB each
Favicon		ICO	16x16px	<10KB

Image Integration



CSS

/ Logo on login page */*

```
.brandinglogo {  
    background-image: url('images/company-logo.png');  
    background-size: contain;  
    background-repeat: no-repeat;  
}
```

/ Background with overlay gradient */*

```
body.logon {  
    background-image:  
        linear-gradient(rgba(0, 0, 0, 0.3), rgba(0, 0, 0, 0.3)),  
        url('images/background.jpg');  
    background-size: cover;  
    background-position: center;  
}
```

/ Desktop icon */*

```
.icon-desktop {  
    background-image: url('images/icon-desktop.png');  
    width: 48px;  
    height: 48px;  
}
```

/ Application icon */*

```
.icon-app {  
    background-image: url('images/icon-app.png');  
    width: 32px;  
    height: 32px;  
}
```

Creating images

Logo Creation

- Use transparent PNG format
- Ensure text is readable on colored backgrounds
- Test at different zoom levels
- Keep file size minimal

Background Image

- Use JPG format for compression
- Choose subtle patterns or photography
- Ensure good contrast for overlaid text

- Optimize dimensions for web

Responsive Design

Mobile-Friendly Theme



CSS

```
/* Extra small devices (phones) */
```

```
@media (max-width: 480px) {  
  body {  
    font-size: 14px;  
  }  
  
  .formcontainer {  
    max-width: 95%;  
    padding: 15px;  
  }  
  
  input[type="text"],  
  input[type="password"] {  
    font-size: 16px; /* Prevents zoom on iOS */  
  }  
  
  .workspaceitem {  
    width: 100%;  
    margin: 10px 0;  
  }  
}
```

```
/* Small devices (tablets in portrait) */
```

```
@media (max-width: 768px) {  
  #header {  
    padding: 10px 15px;  
  }  
  
  .headertitle {  
    font-size: 16px;  
  }  
  
  .navmenu {  
    display: none;  
  }  
  
  .workspaces {  
    grid-template-columns: repeat(auto-fill, minmax(150px, 1fr));  
    gap: 10px;  
    padding: 10px;  
  }  
}
```

```

.workspaceitem {
  padding: 10px;
}

/* Medium devices (tablets in landscape) */
@media (max-width: 1024px) {
  .workspaces {
    grid-template-columns: repeat(2, 1fr);
    gap: 15px;
  }
}

/* Large devices (desktops) */
@media (min-width: 1025px) {
  .workspaces {
    grid-template-columns: repeat(auto-fill, minmax(250px, 1fr));
    gap: 20px;
  }
}

```

Responsive Typography



CSS

```
/* Responsive font sizing */
```

```
body {  
    font-size: 16px;  
}  
  
h1 { font-size: 28px; }  
h2 { font-size: 24px; }  
h3 { font-size: 20px; }
```

```
@media (max-width: 768px) {  
    body { font-size: 14px; }  
    h1 { font-size: 22px; }  
    h2 { font-size: 18px; }  
    h3 { font-size: 16px; }  
}
```

```
@media (max-width: 480px) {  
    body { font-size: 13px; }  
    h1 { font-size: 20px; }  
    h2 { font-size: 16px; }  
    h3 { font-size: 14px; }  
}
```

Deployment

Windows Server 2012 R2 - 2019

Step 1: Prepare Theme Files



bash

```
# Ensure all files are in the correct location  
%ProgramFiles%\Rds\Web\App_Themes\YourThemeName\  
├── theme.css  
├── logon.css  
├── theme-rtl.css  
└── images/
```

Step 2: Configure IIS

1. Open Internet Information Services (IIS) Manager
2. Navigate to **Remote Desktop Web Access** application
3. Right-click and select **Explore** to verify theme files

Step 3: Update Configuration (if needed)

Edit %ProgramFiles%\Rds\Web\web.config:



```
xml

<configuration>
  <appSettings>
    <add key="ThemeName" value="YourThemeName" />
  </appSettings>
</configuration>
```

Step 4: Restart Services



```
bash

iisreset /restart
```

Step 5: Clear Cache

Users should clear browser cache:

- **Edge/Chrome:** Ctrl + Shift + Delete
- **Firefox:** Ctrl + Shift + Delete
- **Safari:** Cmd + Shift + Delete

Windows Server 2022 with Windows 11

1. Deploy theme to same directory structure
2. Configuration may be handled through Group Policy or PowerShell
3. Access <https://servername/rdweb> to verify

Advanced Features

Custom JavaScript (theme.js)



javascript

// Custom theme initialization

```
(function() {  
  'use strict';  
  
  document.addEventListener('DOMContentLoaded', function() {  
    console.log('Custom theme initializing...');  
  
    // Initialize branding  
    initializeBranding();  
  
    // Setup event listeners  
    setupEventListeners();  
  
    // Apply custom behaviors  
    applyCustomBehaviors();  
  
    console.log('Custom theme loaded successfully');  
  });  
  
  function initializeBranding() {  
    var header = document.getElementById('header');  
    if (header) {  
      header.setAttribute('data-company', 'MyCompany');  
      console.log('Branding initialized');  
    }  
  }  
  
  function setupEventListeners() {  
    var workspaceItems = document.querySelectorAll('.workspaceitem');  
  
    workspaceItems.forEach(function(item) {  
      item.addEventListener('mouseenter', function() {  
        this.classList.add('active');  
      });  
  
      item.addEventListener('mouseleave', function() {  
        this.classList.remove('active');  
      });  
    });  
  }  
})
```

```
function applyCustomBehaviors() {  
    // Add custom behaviors here  
    var buttons = document.querySelectorAll('.primarybutton');  
    buttons.forEach(function(btn) {  
        btn.addEventListener('click', function(e) {  
            console.log('Button clicked:', this.textContent);  
        });  
    });  
}
```

```
})();
```

CSS Custom Properties (Variables)



CSS

```
/* Define color scheme as CSS variables */
```

```
:root {  
  --primary-color: #0078d4;  
  --primary-dark: #005a9e;  
  --primary-light: #e3f2fd;  
  --background-color: #f5f5f5;  
  --surface-color: #ffffff;  
  --text-color: #333333;  
  --text-secondary: #666666;  
  --border-color: #e0e0e0;  
  --border-radius: 6px;  
  --shadow-small: 0 1px 3px rgba(0, 0, 0, 0.05);  
  --shadow-medium: 0 4px 12px rgba(0, 0, 0, 0.15);  
}
```

```
/* Use variables throughout theme */
```

```
.primarybutton {  
  background-color: var(--primary-color);  
  color: white;  
  border-radius: var(--border-radius);  
}
```

```
.primarybutton:hover {  
  background-color: var(--primary-dark);  
}
```

```
body {  
  background-color: var(--background-color);  
  color: var(--text-color);  
}
```

```
.workspaceitem {  
  background-color: var(--surface-color);  
  border-color: var(--border-color);  
  box-shadow: var(--shadow-small);  
}
```

Dark Mode Support



```
/* Dark mode support */
@media (prefers-color-scheme: dark) {
  :root {
    --primary-color: #0078d4;
    --background-color: #1e1e1e;
    --surface-color: #2d2d2d;
    --text-color: #ffffff;
    --text-secondary: #b0b0b0;
    --border-color: #404040;
  }

  body {
    background-color: var(--background-color);
    color: var(--text-color);
  }

  .workspaceitem {
    background-color: var(--surface-color);
  }
}
```

Testing

Testing Checklist

- ☐ Logo displays correctly on both login and connection center
- ☐ Colors match brand guidelines
- ☐ All buttons are clickable and properly styled
- ☐ Forms are properly aligned and functional
- ☐ Mobile layout is responsive on tablets
- ☐ Mobile layout is responsive on smartphones
- ☐ No broken image links
- ☐ No console errors in browser DevTools
- ☐ Login page displays correctly
- ☐ Connection center displays workspaces
- ☐ Hover effects work as intended
- ☐ Page loads quickly (<2 seconds)
- ☐ Accessibility: color contrast is sufficient
- ☐ Tested in multiple browsers

Testing on Multiple Browsers



- ✓ Microsoft Edge (latest)
- ✓ Google Chrome (latest)
- ✓ Mozilla Firefox (latest)
- ✓ Apple Safari (latest)
- ✓ Mobile Safari (iOS)
- ✓ Chrome Mobile (Android)

Browser DevTools Inspection



javascript

- // Open console (F12) and check for errors*
- // Check applied CSS: Right-click > Inspect*
- // Mobile simulation: Ctrl+Shift+M*
- // Performance: Ctrl+Shift+I > Performance tab*

Best Practices

Performance

- ✓ Optimize images aggressively using tools like TinyPNG
- ✓ Minimize CSS and remove unused styles
- ✓ Use CSS variables for maintainability
- ✓ Avoid inline styles and scripts
- ✓ Lazy load images when appropriate
- ✓ Minimize HTTP requests
- ✓ Use modern image formats (WebP with fallback)

Accessibility

- ✓ Maintain WCAG AA color contrast minimum (4.5:1 for text)
- ✓ Include alt text for images
- ✓ Ensure keyboard navigation works
- ✓ Use semantic HTML
- ✓ Avoid color-only indicators
- ✓ Test with screen readers

Security

- ☒ Validate and sanitize all user inputs
- ☒ Use HTTPS for all connections
- ☒ Avoid inline scripts
- ☒ Use Content Security Policy headers
- ☒ Keep dependencies updated
- ☒ Don't embed sensitive information in CSS/JS

Maintenance

- ☒ Document all customizations
- ☒ Keep backups of original theme
- ☒ Version control your themes
- ☒ Test before deploying to production
- ☒ Create a development/staging environment
- ☒ Maintain changelog

Troubleshooting

Theme Not Appearing

Problem: Custom theme is not showing up

Solutions:



bash

Clear IIS cache

iisreset /restart

Clear browser cache (Ctrl + Shift + Delete)

Verify theme folder name matches configuration

Check that all CSS files are present

Restart RDS services

Images Not Loading

Problem: Images are broken or missing

Solutions:

- Verify image file paths are relative: `url('images/logo.png')`

- Check image file permissions (IIS must have read access)
- Verify image files exist in the correct folder
- Check file names are case-sensitive on Linux servers
- Use browser DevTools (F12) to see exact error

Styling Not Applied

Problem: CSS changes aren't appearing

Solutions:



bash

```
# Hard refresh browser: Ctrl + F5
# Clear browser cache completely
# Check CSS syntax is valid (use CSS validator)
# Check for higher specificity CSS rules overriding your styles
# Verify IIS has permissions to read theme folder
```

Login Page Issues

Problem: Login page not styled correctly

Solutions:

- Verify logon.css exists in theme folder
- Check image paths in CSS are correct
- Ensure IIS has read permissions on theme files
- Test in private/incognito window
- Check browser console for errors (F12)

Performance Issues

Problem: Page loads slowly

Solutions:



bash

- # Reduce image file sizes
- # Minimize CSS and JavaScript
- # Use image optimization tools
- # Check for unoptimized background images
- # Profile with browser DevTools (F12 > Performance)

CSS Specificity Issues

Problem: Your CSS rules are being overridden

Solutions:



CSS

```
/* Use more specific selectors */  
#main .workspaceitem { /* more specific */ }  
  
/* Use !important only as last resort */  
.button { color: blue !important; }  
  
/* Avoid conflicting class names */
```

Right-to-Left (RTL) Languages

Problem: RTL languages not displaying correctly

Solution: Maintain theme-rtl.css with RTL-specific styles



CSS

```
/* theme-rtl.css */
```

```
body[dir="rtl"] {  
    direction: rtl;  
    text-align: right;  
}
```

```
body[dir="rtl"] .workspaceitem {  
    margin-left: 0;  
    margin-right: 10px;  
}
```

FAQ

Q: Can I use a custom theme with multiple RDS servers? A: Yes, copy your theme to each server's App_Themes folder.

Q: How do I revert to the default theme? A: Remove or rename your custom theme folder, restart IIS.

Q: Can I use JavaScript in my theme? A: Yes, but keep it minimal for security and performance. Store in theme.js.

Q: Is my custom theme preserved after RDS updates? A: Usually yes, but always backup your theme before applying updates.

Q: Can I customize the RDS client (not just web)? A: This tutorial focuses on RD Web Access. Native client customization differs.

Contributing

Contributions are welcome! Please:

1. Test your changes thoroughly
 2. Document any new features
 3. Ensure accessibility compliance
 4. Optimize images
 5. Submit pull request with clear description
-

License

This tutorial is provided as-is for educational purposes. Customize as needed for your organization.

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Resources

- [Remote Desktop Services on Microsoft Docs](#)
- [IIS Configuration Reference](#)

- [WCAG 2.1 Accessibility Guidelines](#)
 - [CSS Tricks - A Complete Guide to Grid](#)
 - [MDN Web Docs - CSS Reference](#)
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Support

For issues or questions:

1. Check the [Troubleshooting](#) section
 2. Review the [FAQ](#)
 3. Check browser console (F12) for errors
 4. Refer to Microsoft RDS documentation
 5. Consult your system administrator
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Last Updated: 2024
Maintainer: RD Web Theme Development Community

Quick Start Summary



bash

```
# 1. Create theme directory
mkdir "%ProgramFiles%\Rds\Web\App_Themes\MyTheme"

# 2. Copy base files from Default theme
# 3. Customize theme.css and logon.css
# 4. Add images to images/ subfolder
# 5. Restart IIS
iisreset /restart

# 6. Test at https://yourserver/rdweb
# 7. Clear browser cache if changes don't appear
```

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