

XPression

XPression Project Server User Guide

VERSION 12.0

ROSS



Thank You for Choosing Ross

You've made a great choice. We expect you will be very happy with your purchase of Ross Technology.

Our mission is to:

1. Provide a Superior Customer Experience
 - offer the best product quality and support
2. Make Cool Practical Technology
 - develop great products that customers love

Ross has become well known for the Ross Video Code of Ethics. It guides our interactions and empowers our employees. I hope you enjoy reading it below.

If anything at all with your Ross experience does not live up to your expectations be sure to reach out to us at solutions@rossvideo.com.



David Ross

CEO, Ross Video

dross@rossvideo.com

Ross Video Code of Ethics

Any company is the sum total of the people that make things happen. At Ross, our employees are a special group. Our employees truly care about doing a great job and delivering a high quality customer experience every day. This code of ethics hangs on the wall of all Ross Video locations to guide our behavior:

1. We will always act in our customers' best interest.
2. We will do our best to understand our customers' requirements.
3. We will not ship crap.
4. We will be great to work with.
5. We will do something extra for our customers, as an apology, when something big goes wrong and it's our fault.
6. We will keep our promises.
7. We will treat the competition with respect.
8. We will cooperate with and help other friendly companies.
9. We will go above and beyond in times of crisis. *If there's no one to authorize the required action in times of company or customer crisis - do what you know in your heart is right. (You may rent helicopters if necessary.)*

XPression Project Server User Guide

- Ross Part Number: 3500DR-007-12.0
- Version: 12.0

The information contained in this guide is subject to change without notice or obligation.

Copyright

©2024 Ross Video Limited, Ross®, and any related marks are trademarks or registered trademarks of Ross Video Limited. All other trademarks are the property of their respective companies. PATENTS ISSUED and PENDING. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, mechanical, photocopying, recording or otherwise, without the prior written permission of Ross Video. While every precaution has been taken in the preparation of this document, Ross Video assumes no responsibility for errors or omissions. Neither is any liability assumed for damages resulting from the use of the information contained herein.

Patents

Patent numbers US 7,034,886; US 7,508,455; US 7,602,446; US 7,802,802 B2; US 7,834,886; US 7,914,332; US 8,307,284; US 8,407,374 B2; US 8,499,019 B2; US 8,519,949 B2; US 8,743,292 B2; GB 2,419,119 B; GB 2,447,380 B; and other patents pending.

Notice

The material in this manual is furnished for informational use only. It is subject to change without notice and should not be construed as commitment by Ross Video Limited. Ross Video Limited assumes no responsibility or liability for errors or inaccuracies that may appear in this manual.

End User Software License Agreement

This End User Software License Agreement is a legal agreement between you (the "**Licensee**") and Ross Video Limited ("**Ross Video**") specifying the terms and conditions of your installation and use of the Software and all Documentation (as those terms are defined herein).

IMPORTANT:

BY DOWNLOADING, ACCESSING, INSTALLING OR USING THE SOFTWARE AND/OR DOCUMENTATION AND/OR BY AUTHORIZING ANY THIRD PARTY, INCLUDING WITHOUT LIMITATION AN INSTALLER OR COMMISSIONER ACTING ON YOUR BEHALF TO DO SO, LICENSEE AGREES TO THE TERMS OF THIS AGREEMENT AND THE LICENSE GRANTED HEREUNDER SHALL BE EFFECTIVE AS OF AND FROM SUCH DATE. IF YOU DO NOT WISH TO ACCEPT THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT DOWNLOAD, ACCESS, INSTALL, REFER TO OR OTHERWISE USE THE SOFTWARE AND/OR DOCUMENTATION.

1. **INTERPRETATION.** In this Agreement, (a) words signifying the singular number include the plural and vice versa, and words signifying gender include all genders; (b) every use of the words "herein", "hereof", "hereto" "hereunder" and similar words shall be construed to refer to this Agreement in its entirety and not to any particular provision hereof; (c) reference to any agreement or other document herein will be construed as referring to such agreement or other document as from time to time amended, modified or supplemented (subject to any restrictions on such amendment, modification or supplement set forth therein); (d) every use of the words "including" or "includes" is to be construed as meaning "including, without limitation" or "includes, without limitation", respectively; and (e) references to an Article or a Section are to be construed as references to an Article or Section of or to this Agreement unless otherwise specified.
2. **DEFINITIONS.** In this Agreement, in addition to the terms defined elsewhere in this Agreement, the following terms have the meanings set out below:

"**Affiliate**" means, with respect to any Person, any other Person who directly or indirectly controls, is controlled by, or is under direct or indirect common control with, such Person. A Person shall be deemed to control a Person if such Person possesses, directly or indirectly, the power to direct or cause the direction of the management and policies of such Person, whether through the ownership of voting securities, by contract or otherwise; and the term "controlled" and "controlling" shall have a similar meaning.

"**Agreement**" means this End User Software License Agreement including the recitals hereto, as the same may be amended from time to time in accordance with the provisions hereof.

"**Backup System**" means the secondary piece of Designated Equipment upon which the Software is installed and mirrored for the sole purpose of replacing a Primary System in the event such Primary System is not available or functioning properly for any reason.

"**Change of Control**" means (a) the direct or indirect sale, transfer or exchange by the shareholders of a Party of more than fifty percent (50%) of the voting securities of such Party, (b) a merger or amalgamation or reorganization or other transaction to which a Party is party after which the shareholders of such Party immediately prior to such transaction hold less than fifty percent (50%) of the voting securities of the surviving entity, (c) the sale, exchange, or transfer of all or substantially all of the assets of a Party.

"Confidential Information" means all data and information relating to the business and management of either Party, including the Software, trade secrets and other technology to which access is obtained or granted hereunder by the other Party, and any materials provided by Ross Video to Licensee; provided, however, that Confidential Information shall not include any data or information which:

- (i) is or becomes publicly available through no fault of the other Party;
- (ii) is already in the rightful possession of the other Party prior to its receipt from the other Party;
- (iii) is already known to the receiving Party at the time of its disclosure to the receiving Party by the disclosing Party and is not the subject of an obligation of confidence of any kind;
- (iv) is independently developed by the other Party;
- (v) is rightfully obtained by the other Party from a third party; or
- (vi) is disclosed with the written consent of the Party whose information it is.

"Designated Equipment" shall mean (a) the hardware products sold by Ross Video to Licensee on which the Software is installed and licensed for use, as the same may be replaced from time to time by Ross Video; or (b) in the case of Software licensed on a stand-alone basis, the equipment of Licensee on which the Software is to be installed and meets the minimum specifications set out in the Documentation.

"Documentation" shall mean manuals, instruction guides, user documentation and other related materials of any kind pertaining to the Software (whether in electronic, hard-copy or other media format) that are furnished to Licensee by or on behalf of Ross Video in relation to the Software.

"Freeware" means Software that is available free of charge from Ross Video, and includes, without limitation the master control system software known as "DashBoard".

"Governmental Authority" means (a) any federal, provincial, state, local, municipal, regional, territorial, aboriginal, or other government, governmental or public department, branch, ministry, or court, domestic or foreign, including any district, agency, commission, board, arbitration panel or authority and any subdivision of any of them exercising or entitled to exercise any administrative, executive, judicial, ministerial, prerogative, legislative, regulatory, or taxing authority or power of any nature; and (b) any quasi-governmental or private body exercising any regulatory, expropriation or taxing authority under or for the account of any of them, and any subdivision of any of them.

"Improvements" means all inventions, works, discoveries, improvements and innovations of or in connection with the Software, including error corrections, bug fixes, patches and other updates in Object Code form to the extent made available to Licensee in accordance with Ross Video's release schedule.

"License Fee" means the fee(s), if any, payable in respect of the Software in accordance with the relevant invoice(s) or other purchase documents delivered in connection with this Agreement.

"License Period" means the period of time that Licensee will have the rights granted under this Agreement, as may be specified in an Order.

"Modifications" means any enhancements, changes, corrections, translations, adaptations, revisions, developments, upgrades or updates thereto; and "Modify" shall mean the creation of any of the foregoing.

"Object Code" means the machine readable executable form of a computer software program.

"Open Source Components" means third party Open Source software, libraries or other components.

"Open Source License" means the license that governs each Open Source Component.

"Order" means the documents provided by Ross Video to Licensee detailing the Ross Video products contemplated for purchase, the corresponding fees and License Period that may apply to the Software, including any and all quotations, purchase orders, acknowledgments, pro formas, invoices and other purchase documentation.

"Parties" means both Ross Video and Licensee and "Party" means either one of them as the context requires.

"Person" will be broadly interpreted and includes (a) a natural person, whether acting in his or her own capacity, or in his or her capacity as executor, administrator, estate trustee, trustee or personal or legal representative; (b) a corporation or a company of any kind, a partnership of any kind, a sole proprietorship, a trust, a joint venture, an association, an unincorporated association, an unincorporated syndicate, an unincorporated organization or any other association, organization or entity of any kind; and (c) a Governmental Authority.

"Primary System" means the Designated Equipment upon which the Software is installed and executed to deliver its intended functionality.

"Released Claims" has the meaning ascribed to it in Section 9(b).

"Released Parties" has the meaning ascribed to it in Section 9(b).

"Ross Video" means Ross Video Limited and its Affiliates.

"Software" means the version of the Object Code licensed and delivered to Licensee by Ross Video concurrently with delivery of this Agreement, including without limitation the Freeware, and any subsequent error corrections, updates, Modifications or Improvements provided to Licensee by Ross Video pursuant to this Agreement, but specifically excluding any features or plug-ins that may be purchased by you directly from third parties as upgrades or enhancements to the Software.

"Source Code" means the human readable form of a computer software program, and all tools and documentation necessary for a reasonably competent computer programmer to understand, maintain and Modify the Software.

"Third Party Software" means those portions of the Software, if any, which are owned or controlled by third parties and licensed to Ross Video pursuant to certain license agreements or arrangements with such third parties, including the Open Source Components and NDI®¹ software (<http://NDI.video>); and

"Use" means to execute, run, display, store, merge, network, Modify, translate, host or integrate with Licensee's products or other third party software.

¹ NDI® is a registered trademark of Vizrt NDI AB.

3. **LICENSE.** Subject to the terms and conditions of this Agreement, upon payment of the applicable License Fee by Licensee, or, in the case of Freeware only, upon download of the Software by Licensee onto its Designated Equipment, Ross Video hereby grants to Licensee a non-transferable and non-exclusive right to Use the Software and Documentation solely for the internal use of Licensee (the "License"), during the License Period. In the event that a License Period is not identified on the Order, such License Period shall be deemed to be perpetual, subject to paragraph 10 (c) of this Agreement. The Software shall only be used in connection with or installed on the Designated Equipment and, where applicable, shall only be used on the Primary System, provided such Primary System is operating properly."

If the Primary System is not operating properly for any reason, the Software may be used on the designated Backup System for that Primary System until such time that the Primary System begins operating properly. The Software and Documentation are provided to Licensee for the exclusive use by Licensee's organization for its ordinary business purposes and shall not be used by any third party for any purposes. Licensee may make copies of the Software as required for internal backup and archival purposes. To the extent permitted hereunder, Licensee may distribute copies of the Software and/or Documentation to members of its organization, provided (a) this Agreement is included with each copy, (b) any member of its organization who uses the Software and/or Documentation accepts and agrees to be bound by the terms of this Agreement and by any other license agreements or other agreement incorporated by reference into this Agreement, and (c) Licensee has paid any applicable additional License Fees in respect of copying and redistributing of the Software. To the extent Licensee is permitted to make copies of the Software under this Agreement, Licensee agrees to reproduce and include on any copy made or portion merged into another work, all Ross Video proprietary notices, including any notices with respect to copyrights, trademarks and this License. With the exception of copying the Software for backup or archival purposes, Licensee agrees to keep a record of the number and location of all such copies and will make such record available at Ross Video's request. The Software may include mechanisms to limit or inhibit copying.

4. **LICENSE RESTRICTIONS.** Except as otherwise provided in section 3 above, Licensee shall not: (1) copy any Software or Documentation, or part thereof, which is provided to Licensee by Ross Video pursuant to this Agreement, in Object Code form, Source Code form or other human or machine readable form, including written or printed documents, without the prior written consent of Ross Video; (2) in any way market, distribute, export, translate, transmit, merge, Modify, transfer, adapt, loan, rent, lease, assign, share, sub-license, sell, make available for download on any website or make available to another Person, the Software and/or Documentation, in whole or in part, provided that Licensee shall not be prohibited from renting or leasing the Software if Ross Video has consented, in writing, to Licensee engaging in such activities in respect of the Software; (3) reverse engineer, decompile or disassemble the Software or electronically transfer it into another computer language; or (4) use the Software or Documentation in a manner that is inconsistent with the License granted hereunder or that will result in a breach of this Agreement. Licensee agrees to take all reasonable precautions to prevent third parties from using the Software and/or Documentation in any way that would constitute a breach of this Agreement, including such precautions Licensee would ordinarily take to protect its own proprietary software, hardware or information.
5. **DELIVERY.** Ross Video shall deliver to Licensee one (1) master copy of the Software in compiled binary (executable) form suitable for reproduction in electronic files only and Ross Video shall deliver to Licensee a minimum of one copy of the Documentation.
6. **IMPROVEMENTS.** Licensee may from time to time request Ross Video to incorporate certain Improvements into the Software. Ross Video may, in its sole discretion, undertake to incorporate and provide such Improvements to Licensee with or without payment of a fee to be negotiated at the time of such request. All Improvements, whether recommended and developed by Ross Video or Licensee, shall be considered the sole property of Ross Video and shall be used by Licensee pursuant to the terms of the License granted under this Agreement.

7. **FREWARE.** Other than the obligation to pay a License Fee, which does not apply to the Freeware, all other provisions of this End User Software License Agreement apply to the Freeware in the same way as they apply to all other Software that is the subject of this Agreement. In addition, in connection with the Freeware, the following provisions apply:
- a. Licensee will not Use the Freeware to engage in or allow others to engage in any illegal activity.
 - b. Licensee will not Use the Freeware in any way that will interfere with or damage the operation of the services of any third parties by overburdening/disabling network resources through automated queries, excessive usage or similar conduct.
 - c. Licensee will not Use the Freeware to engage in any activity that will violate the rights of others, including, without limitation, by using it for operations that involve child labour, suppressing the right of freedom of expression or endangering the security of person.
8. **OWNERSHIP.** The Parties acknowledge and agree that, as between the Parties, Ross Video shall be the owner of all intellectual property rights in the Software, Documentation and all related Modifications and Improvements, written materials, logos, trademarks, trade names, copyright, patents, trade secrets and moral rights, registered or unregistered. No proprietary interest or title in or to the intellectual property in the Software, Documentation or any Improvements or Modifications is transferred to Licensee by this Agreement. Ross Video reserves all rights not expressly licensed to Licensee under section 3.
9. **OPEN SOURCE SOFTWARE.**
- a. Software may use and/or be provided with Open Source Components, including those detailed in the Third Party section below. To the extent stipulated by its Open Source License, each such Open Source Component is licensed directly to Licensee from its respective licensors and not sub-licensed to Licensee by Ross Video, and such Open Source Component is subject to its respective Open Source License, and not to this Agreement. If, and to the extent, an Open Source Component requires that this Agreement effectively impose, or incorporate by reference, certain disclaimers, permissions, provisions, prohibitions or restrictions, then such disclaimers, permissions, provisions, prohibitions or restrictions shall be deemed to be imposed, or incorporated by reference into this Agreement, as required, and shall supersede any conflicting provision of this Agreement, solely with respect to the corresponding Open Source Component which is governed by such Open Source License.
 - b. If Licensee, or another party on Licensee's behalf, modifies, replaces or substitutes any Open Source Component used in or provided with this Software, Licensee hereby fully, forever, irrevocably and unconditionally releases and discharges Ross Video, its Affiliates and its and their employees, officers, directors, resellers, distributors and representatives (collectively, "Released Parties") from any and all claims, charges, complaints, demands, actions, causes of action, suits, rights, debts, covenants, liabilities, warranties, performance and maintenance and support obligations (collectively, "Released Claims"), of every kind and nature, with respect to such Software, including without limitation any such Released Claims that arise as a matter of applicable Law.
 - c. If an Open Source License requires that the source code of its corresponding Open Source Component be made available to Licensee, and such source code was not delivered to Licensee with the Software, then Ross Video hereby extends a written offer, valid for the period prescribed in such Open Source License, to obtain a copy of the source code of the corresponding Open Source Component, from Ross Video from <https://www.rossvideo.com/open-source-information/>.

10. **THIRD PARTY SOFTWARE.**

- a. Licensee acknowledges that the Third Party Software is not owned by Ross Video. Notwithstanding any other provision of this Agreement, Ross Video, to the extent permitted by applicable law, offers no warranties (whether express, implied, statutory or by course of communication or dealing with Licensee, or otherwise) with respect to the Third Party Software. Ross Video may pass through to Licensee, if and to the extent permitted by applicable law, any warranties expressly provided by such third parties to Ross Video for such Third Party Software.
- b. FFmpeg Notice. The Software may utilize FFmpeg video components and their included libraries. FFmpeg is a trademark of Fabrice Bellard (originator of the FFmpeg project). Ross Video disclaims any ownership claim to FFmpeg. Please refer to <http://ffmpeg.org> (copyright is in the FFmpeg developers). FFmpeg is licensed under the GNU Lesser General Public License v2.1 or Lesser General Public License v3.0. GNU Lesser General Public License contact information: Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA. Licensee can distribute it and/or modify it under the terms of such licenses.

11. **INTELLECTUAL PROPERTY INDEMNITY.**

- a. Ross Video agrees to defend, indemnify and hold harmless Licensee from final damages awarded by a court of competent jurisdiction (hereinafter referred to as the "**Losses**"), which Licensee, or any of its officers or directors, may incur, suffer or become liable for as a result of, or in connection with, any third party claim asserted against Licensee to the extent such claim is based on a contention that the Software, Documentation or any portion thereof, infringes any valid, registered, enforceable patents, copyrights, trade secrets, trademarks or other intellectual property rights of any third party, provided that (a) the allegedly infringing Software or Documentation has been used within the scope of and in accordance with the terms of this Agreement, and (b) Licensee notifies Ross Video in writing of such claim within ten (10) days of a responsible officer of Licensee becoming aware of such claim. If the Software, Documentation or any portion thereof is held to constitute an infringement of a third party's intellectual property rights, and use thereof is enjoined, Ross Video shall, at its election and expense, either (i) procure the right to use the infringing element of the Software or Documentation; or (ii) replace or modify the element of the Software or Documentation so that the infringing portion is no longer infringing and still performs the same function without any material loss of functionality. Ross Video shall make every reasonable effort to correct the situation with minimal effect upon the operations of Licensee.
- b. Notwithstanding the above, Ross Video reserves the right to terminate this Agreement and the License granted hereunder on immediate notice to Licensee, and without liability to Licensee, in the event that the Software or Documentation constitutes or may, in Ross Video's determination, constitute, an infringement of the rights of a third party that Ross Video, in its sole discretion, does not consider to be affordably remediable.
- c. Either party may terminate this Agreement immediately should any Software become, or in either party's opinion be likely to become, the subject of a claim of infringement of any intellectual property right and, in such event, there shall be no claim by either Licensee or Ross Video against the other arising out of such termination, provided that the foregoing shall not apply to a claim for infringement by Ross Video against Licensee in the event that Licensee is alleged to have infringed Ross Video's intellectual property rights, in which case Licensee shall remain liable for all outstanding License Fees and other amounts owing to Ross Video.
- d. Notwithstanding the foregoing, Ross Video shall have no liability for any claim of infringement based on use of other than a current, unaltered release of the Software and/or Documentation available from Ross Video if such infringement would have been avoided by the use of a current, unaltered release of the Software and/or Documentation provided that such current, unaltered release performs substantially in conformity with the specifications set out in the Documentation and was provided, at no additional cost by Ross Video, to those subscribing for maintenance services for the Software or Documentation.

12. **CONFIDENTIALITY.** Each Party shall maintain in confidence all Confidential Information of the other Party, shall use such Confidential Information only for the purpose of exercising its rights and fulfilling its obligations under this Agreement, and shall not disclose any Confidential Information of the disclosing Party to any third party except as expressly permitted hereunder or make any unauthorized use thereof. Each Party shall disclose the Confidential Information only to those of its employees, consultants, advisors, and/or subcontractors who have a need to know the Confidential Information. Each Party shall, prior to disclosing the Confidential Information to such employees, consultants, advisors and/or subcontractors, obtain their agreement to receive and use the Confidential Information on a confidential basis on the same terms and conditions contained in this Agreement. The receiving Party shall treat the Confidential Information of the disclosing Party with the same degree of care against disclosure and/or unauthorized use as it affords to its own information of a similar nature, or a reasonable degree of care, whichever is greater. The receiving Party further agrees not to remove or destroy any proprietary or confidential legends or markings placed upon any documents or other materials of the disclosing Party. The obligations of confidence set forth in this Agreement shall extend to any Affiliates that have received Confidential Information of the disclosing Party and shall also cover Confidential Information disclosed by any Affiliate. The receiving Party shall be responsible for any actions or omissions of its Affiliates as if such actions or omissions were its own.

Either party may disclose certain Confidential Information if it is expressly required to do so pursuant to legal, judicial, or administrative proceedings, or otherwise required by law, provided that (i) such Party provides the other Party with reasonable written notice prior to such disclosure; (ii) such Party seeks confidential treatment for such Confidential Information; (iii) the extent of such disclosure is only to the extent expressly required by law or under the applicable court order; and (iv) such Party complies with any applicable protective or equivalent order.

Each of Ross Video and Licensee (the "**Indemnifying Party**", as applicable) agree to indemnify the other (the "**Indemnified Party**", as applicable) for all Losses incurred by the Indemnified Party as a result of a failure of the Indemnifying Party to comply with its obligations under this Section 12 provided that the Indemnified Party has given prompt notice of any such claim and, to the extent that a claim may lie against a third party for the unauthorized disclosure of such Confidential Information, the right to control and direct the investigation, preparation, action and settlement of each such claim and, further, provided that the Indemnified Party reasonably co-operates with the Indemnifying Party in connection with the foregoing and provides the Indemnifying Party with all information in the Indemnified Party's possession related to such claim and such further assistance as reasonably requested by the Indemnifying Party.

The Parties acknowledge and agree that any breach of the confidentiality provisions of this Agreement by one Party may cause significant and irreparable injury to the other Party that is not compensable monetarily, as well as damages that may be difficult to ascertain, and agrees that, in addition to such other remedies that may be available at law or in equity, the other Party shall be entitled to seek injunctive relief (including temporary restraining orders, interim injunctions and permanent injunctions) in a court of competent jurisdiction in the event of the breach or threatened breach by such party of any of the confidentiality provisions of this Agreement. The relief contemplated in this Section shall be available to each Party without the necessity of having to prove actual damages and without the necessity of having to post any bond or other security. Each Party further agrees to notify the other Party in the event that it learns of or has reason to believe that any Person has breached the confidentiality provisions of this Agreement.

13. **LIMITATION OF LIABILITY.** The limitation of liability provisions of this Agreement reflect an informed voluntary allocation of the risks (known and unknown) that may exist in connection with the licensing of the Software or Documentation hereunder by Ross Video, and that voluntary risk allocation represents a material part of the Agreement reached between Ross Video and Licensee. Should Ross Video be in breach of any obligation, Licensee agrees that Licensee's remedies will be limited to those set forth in this Agreement. No action, regardless of form, arising out of this Agreement may be brought by Licensee more than twelve (12) months after the facts giving rise to the cause of action have occurred, regardless of whether those facts by that time are known to, or reasonably ought to have been discovered by, Licensee.

(A) EXCEPT AS EXPRESSLY PROVIDED IN THIS AGREEMENT, THE SOFTWARE AND DOCUMENTATION ARE PROVIDED "AS IS" AND ROSS VIDEO (I) MAKES NO OTHER REPRESENTATIONS, AND PROVIDES NO WARRANTIES OR CONDITIONS OF ANY KIND, EXPRESS OR IMPLIED, STATUTORY, BY USAGE OF TRADE CUSTOM OF DEALING, OR OTHERWISE, AND (II) SPECIFICALLY DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING ANY IMPLIED WARRANTY OF UNINTERRUPTED OR ERROR FREE OPERATION, MERCHANTABILITY, QUALITY OR FITNESS FOR A PARTICULAR PURPOSE. ROSS VIDEO DOES NOT REPRESENT OR WARRANT THAT THE SOFTWARE WILL MEET ANY OR ALL OF LICENSEE'S PARTICULAR REQUIREMENTS, THAT THE USE AND OPERATION OF THE SOFTWARE WILL OPERATE ERROR-FREE OR UNINTERRUPTED, THAT ALL PROGRAMMING ERRORS IN THE SOFTWARE CAN BE FOUND IN ORDER TO BE CORRECTED, OR THAT THE SOFTWARE WILL BE COMPATIBLE WITH OTHER PROGRAMS, SYSTEMS, AND HARDWARE.

(B) IN NO EVENT SHALL ROSS VIDEO, ITS AFFILIATES AND LICENSORS, AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES AND AGENTS, BE LIABLE FOR ANY CLAIM FOR INDIRECT, CONSEQUENTIAL, SPECIAL, INCIDENTAL, PUNITIVE, EXEMPLARY, AGGRAVATED DAMAGES; LOST PROFITS, OR LOST REVENUE ARISING FROM OR IN CONNECTION WITH THIS AGREEMENT, REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, OR IN TORT, EVEN IF THE PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

(C) IN ANY EVENT THE AGGREGATE LIABILITY OF ROSS VIDEO, ITS AFFILIATES AND LICENSORS, AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES AND AGENTS, FOR ANY CLAIM FOR DIRECT DAMAGES WITH RESPECT TO THE SUBJECT MATTER OF THIS AGREEMENT SHALL NOT EXCEED THE AMOUNT OF THE PURCHASE PRICE PAID TO ROSS VIDEO UNDER THIS AGREEMENT.

14. **TERM AND TERMINATION.**

- (1) Unless terminated earlier in accordance with the terms of this Agreement, the term of this Agreement shall commence upon Licensee's first download, access, installation, or other use of the Software or Documentation and continues until, in the case of Software licensed with Designated Equipment provided by Ross Video, the earliest of (a) the end of the License Period, or (b) if the Designated Equipment is assigned or transferred in accordance with this Agreement, the date on which the Designated Equipment is no longer owned by Licensee;
- (2) Either Party shall have the right to terminate this Agreement on notice to the other Party if:
 - (a) the other Party fails to pay any fees or other amounts when due hereunder or under any other agreement between the Parties (or any Affiliates of the Parties, as applicable) in connection with the Software and/or Designated Equipment and such breach is not cured within thirty (30) days after written notice of such failure to pay is given to the defaulting Party by the non-defaulting Party;
 - (b) the other Party shall file a voluntary petition in bankruptcy or insolvency or shall petition for reorganization under any bankruptcy law, consent to an involuntary petition in bankruptcy, or if a receiving order is given against it under the Bankruptcy and Insolvency Act (Canada) or the comparable law of any other jurisdiction (and such is not dismissed within ten (10) days);

- (c) there shall be entered an order, judgment or decree by a court of competent jurisdiction, upon the application of a creditor, approving a petition seeking reorganization or appointing a receiver, trustee or liquidator of all or a substantial part of the other Party's assets and such order, judgment or decree continues in effect for a period of thirty (30) consecutive days; or
 - (d) the other Party shall fail to perform any of the other material obligations set forth in this Agreement and such default, in the case of a default which is remediable, continues for a period of thirty (30) days after written notice of such failure has been given by the non-defaulting Party or, in the case of a non-remediable default, immediately upon notice.
- (3) Notwithstanding anything to the contrary contained in this Agreement:
- (a) Ross Video may forthwith terminate this Agreement if Licensee is in breach of any of sections 3, 4 or 12 of this Agreement. For greater certainty, in such instances Ross Video shall provide written notice of such termination as soon as practicable but written notice shall not be a necessary prerequisite to such termination; and
 - (b) in the event of a Change of Control of Licensee, Ross Video shall have the right to terminate this Agreement and the License granted hereunder upon thirty (30) days' prior written notice to Licensee. For greater certainty, Ross Video's right to terminate in the event of a Change of Control of Licensee shall continue for a period of six (6) months from the date Licensee delivers notice of such Change of Control to Ross Video.
 - (c) Ross Video may terminate the License immediately on the date on which it provides notice to Licensee, if its agreements for Third Party Software are terminated.
- (4) Upon the termination or expiry of this Agreement:
- (a) Licensee shall immediately cease and desist all use of the Software and Documentation;
 - (b) Licensee shall immediately deliver to Ross Video any of Ross Video's Confidential Information provided hereunder (including the Software and Documentation) then in its possession or control, if any, and shall deliver a certificate of an officer of Licensee certifying the completeness of same;
 - (c) Licensee shall refrain from further use of such Confidential Information; and
 - (d) Licensee shall forthwith pay all amounts owing to Ross Video or any of its Affiliates hereunder.
15. **SURVIVAL.** The provisions of sections 1, 2, 6, 8, 9, 10, 11, 12, 13, 14, 18, 22, 23, and 24 herein shall survive the expiry or termination of this Agreement.
16. **FORCE MAJEURE.** Dates and times by which Ross Video is required to render performance under this Agreement shall be automatically postponed to the extent and for the period that Ross Video is prevented from meeting them by reason of events of force majeure or any cause beyond its reasonable control provided Ross Video notifies Licensee of the commencement and nature of such cause and uses its reasonable efforts to render performance in a timely manner.
17. **ASSIGNMENT.** Ross Video may assign this Agreement, or any of its rights or obligations hereunder, in whole or in part, upon notice to Licensee. Licensee shall not assign this Agreement, or any of its rights or obligations hereunder, in whole or in part, without the prior written consent of Ross Video, which consent may not be unreasonably withheld. This Agreement enures to the benefit of and is binding upon each of the Parties and their respective successors and permitted assigns.

18. **GOVERNING LAW.** If Licensee acquired the Ross Product(s) in the United States or Canada, the laws of the state or province where Licensee's principal place of business is located govern the interpretation of this Agreement, claims for its breach, and all other claims regardless of conflict of laws principles. If Licensee acquired the Ross Product(s) in the European Union or the United Kingdom, then the laws of England and Wales apply. If Licensee acquired the Ross Product(s) in any other country, then the laws of the Province of Ontario, Canada shall apply.
19. **LANGUAGE.** The Parties have expressly required that this Agreement and all documents relating thereto be prepared in English. Les parties ont expressément exigé que cette convention ainsi que tous les documents qui s'y rattachent soient rédigés en anglais.
20. **GOVERNMENT CONTRACTS.** If the Software and/or Documentation to be furnished to Licensee hereunder are to be used in the performance of a government contract or subcontract, the Software and/or Documentation shall be provided on a "restricted rights" basis only and Licensee shall place a legend, in addition to applicable copyright notices, in the form provided under the applicable governmental regulations. For greater certainty, Ross Video shall not be subject to any flow-down provisions required by any customer of Licensee that is a Governmental Authority unless Ross Video expressly agrees to be bound by such flow-down provisions in writing.
21. **EXPORT AND IMPORT LAWS.** Licensee acknowledges and agrees that the Software (including any technical data and related technology) may be subject to the export control laws, rules, regulations, restrictions and national security controls of the United States and other applicable countries (the "**Export Controls**") and agrees not to export, re-export, import or allow the export, re-export or import of such export-controlled Software (including any technical data and related technology) or any copy, portion or direct product of the foregoing in violation of the Export Controls. Licensee hereby represents that it is not an entity or person to whom provision of the Software (including any technical data and related technology) is restricted or prohibited by the Export Controls. Licensee agrees that it has the sole responsibility to obtain any authorization to export, re-export, or import the Software (including any technical data and related technology), as may be required. Licensee will defend, indemnify and hold Ross Video harmless from any and all claims, losses, liabilities, damages, fines, penalties, costs and expenses (including attorney's fees) arising from or relating to any breach by Licensee of its obligations under this Section.
22. **AMENDMENT AND WAIVER.** No amendment, discharge, modification, restatement, supplement, termination or waiver of this Agreement or any Section of this Agreement is binding unless it is in writing and executed by the Party to be bound. No waiver of, failure to exercise or delay in exercising, any Section of this Agreement constitutes a waiver of any other Section (whether or not similar) nor does any waiver constitute a continuing waiver unless otherwise expressly provided.
23. **SEVERABILITY.** Each Section of this Agreement is distinct and severable. If any Section of this Agreement, in whole or in part, is or becomes illegal, invalid, void, voidable or unenforceable in any jurisdiction by any court of competent jurisdiction, the illegality, invalidity or unenforceability of that Section, in whole or in part, will not affect (a) the legality, validity or enforceability of the remaining Sections of this Agreement, in whole or in part; or (b) the legality, validity or enforceability of that Section, in whole or in part, in any other jurisdiction.
24. **ENTIRE AGREEMENT.** This Agreement, and any other documents referred to herein, constitutes the entire agreement between the Parties relating to the subject matter of this Agreement and supersedes all prior written or oral agreements, representations and other communications between the Parties.

Updated: November 1, 2023

Warranty and Repair Policy

Ross Video Limited (Ross) warrants its XPression Project Server systems to be free from defects under normal use and service for the following time periods from the date of shipment:

- XPression Project Server Server — 12 months
- XPression Project Server Software Upgrades — 12 months free of charge
- System and Media hard drives — 12 months

If an item becomes defective within the warranty period Ross will repair or replace the defective item, as determined solely by Ross.

Warranty repairs will be conducted at Ross, with all shipping FOB Ross dock. If repairs are conducted at the customer site, reasonable out-of-pocket charges will apply. At the discretion of Ross, and on a temporary loan basis, plug in circuit boards or other replacement parts may be supplied free of charge while defective items undergo repair. Return packing, shipping, and special handling costs are the responsibility of the customer.

This warranty is void if products are subjected to misuse, neglect, accident, improper installation or application, or unauthorized modification.

In no event shall Ross Video Limited be liable for direct, indirect, special, incidental, or consequential damages (including loss of profit). Implied warranties, including that of merchantability and fitness for a particular purpose, are expressly limited to the duration of this warranty.

This warranty is TRANSFERABLE to subsequent owners, subject to Ross' notification of change of ownership.

Extended Warranty

For customers that require a longer warranty period, Ross offers an extended warranty plan to extend the standard warranty period by one year increments. For more information about an extended warranty for your XPression Project Server system, contact your regional sales manager.

Environmental Information

The equipment that you purchased required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

To avoid the potential release of those substances into the environment and to diminish the need for the extraction of natural resources, Ross Video encourages you to use the appropriate take-back systems. These systems will reuse or recycle most of the materials from your end-of-life equipment in an environmentally friendly and health conscious manner.

The crossed-out wheeled bin symbol invites you to use these systems.



If you need more information on the collection, reuse, and recycling systems, please contact your local or regional waste administration.

You can also contact Ross Video for more information on the environmental performances of our products.

Company Address

Ross Video Limited

8 John Street
Iroquois, Ontario
Canada, K0E 1K0

Ross Video Incorporated

P.O. Box 880
Ogdensburg, New York
USA 13669-0880

General Business Office: (+1) 613 · 652 · 4886

Fax: (+1) 613 · 652 · 4425

Toll Free Technical Support: 1-844-652-0645 (North America)
+800 3540 3545 (International)

Alternately, you can contact:

Technical Support: (+1) 613 · 652 · 4886

After Hours Emergency: (+1) 613 · 349 · 0006

E-mail for Technical Support: techsupport@rossvideo.com

E-mail for General Information: solutions@rossvideo.com

Website: <http://www.rossvideo.com>

Contents

Introduction	1
About This Guide	2
Getting Help	3
User Interface Overview	4
Project Server Manager	5
Starting and Stopping the Project Server	6
Connecting to the Server	7
Setup	9
Configuring the Server Info	10
Adding a User Role or Group	11
Adding Users	12
Shows	14
Adding a Show	15
Adding Categories and Styles	19
Synchronizing Shows with the Project Server Database	21
Monitoring File Transfers	29
Running File Diagnostics	31

Introduction

XPression's Project Server is a storage and retrieval system that allows XPression users to publish and deploy projects from a server. Larger facilities which support multiple production groups may share resources such as a Project Server.

The **XPression Project Server Manager** is a software application that allows you to connect to a project server and perform administrative functions, like setting up user accounts and user groups to determine role-based access, publishing, and deployment of XPression project files on the project servers. You can also use the Project Server Manager to synchronize a project server with other projects servers in order to transfer and share XPression projects and files.



Notice — Do not use the Project Server as a back-up server.

About This Guide

This guide covers the use of the XPression Project Server system.

If, at any time, you have questions pertaining to the operation of XPression Project Server, please contact us at the numbers listed in the section [Getting Help](#). Our technical staff is always available for consultation, training, or service.

Documentation Conventions

Special text formats are used in this guide to identify parts of the user interface, text that a user must enter, or a sequence of menus and sub-menus that must be followed to reach a particular command.

Bold text

Bold text identifies a user interface element such as a dialog box, menu item, or button.

For example:

In the **Slug** column, type a slug name for the story.

Italic text

Italic text is used to identify the titles of referenced guides, manuals, or documents.

For example:

For more information, refer to the *DashBoard User Guide*.

Courier text

Courier text identifies text that a user must type.

For example:

In the **Username** box, type `postgres`.

Menu Sequences

Menu arrows are used in procedures to identify a sequence of menu items that you must follow.

For example:

If a step reads **Server > Save As**, you would select the **Server** menu and then select **Save As**.

[Hypertext](#)

Identifies a hyperlink to a related topic.

Getting Help

XPression Project Server documentation is available online at [Product Documentation](#) and is also accessible on the product USB key and by selecting the **Help** icon in the user interface.

Contacting Technical Support

At Ross Video, we take pride in the quality of our products, but if problems occur, help is as close as the nearest telephone.

Our 24-hour Hot Line service ensures you have access to technical expertise around the clock. After-sales service and technical support is provided directly by Ross Video personnel. During business hours (Eastern Time), technical support personnel are available by telephone. After hours and on weekends, a direct emergency technical support phone line is available. If the technical support person who is on call does not answer this line immediately, a voice message can be left and the call will be returned shortly. This team of highly trained staff is available to react to any problem and to do whatever is necessary to ensure customer satisfaction.

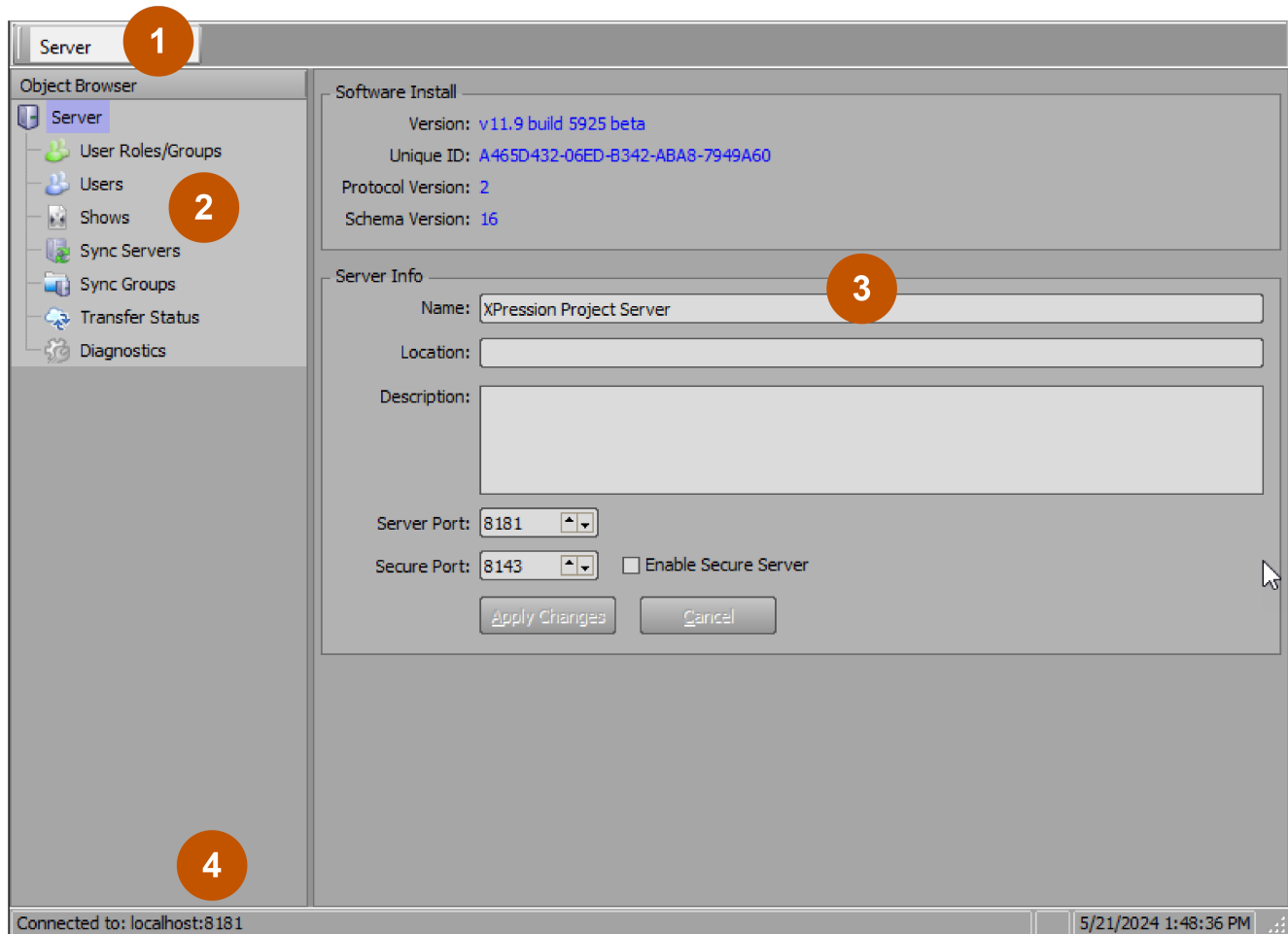
Technical Support:

- 1-844-652-0645 (North America)
- +800 3540 3545 (International)
- After Hours Emergency: (+1) 613-349-0006
- E-mail: techsupport@rossvideo.com
- Website: <http://www.rossvideo.com>

User Interface Overview

The XPression Project Server Manager interface is used to configure and edit the project server settings.

The following screen capture displays the main elements of the Project Server Manager user interface. Descriptions of individual elements are contained in the legend below the diagram.



1. **Menu Bar** — use this menu bar to access the **Server** menu.
2. **Object Browser** — use this area to browse and select objects in the list to view in the Main Window.

3. **Main Window** — use this window to configure the project server details.
4. **Status Area** — displays the current status of the Project Server Manager.

Project Server Manager

Before you start using the project server, you need to start the project server and log in to the Project Server Manager. This section describes how to start and stop the project server and access the Project Server Manager.

The following topics are discussed in this section:

[Starting and Stopping the Project Server](#)

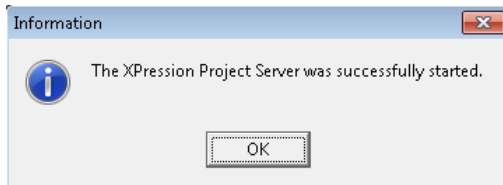
[Connecting to the Server](#)

Starting and Stopping the Project Server

To start the Project Server:

1. From the Windows **Start** menu, select **Start Project Server**.

An information box indicates that the project server was successfully started.



Project Server - Successfully Started

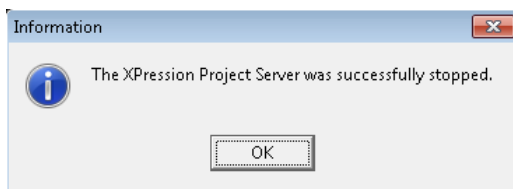
★ **Start Project Server** can be pinned to the **Start** menu.

2. Select **OK** to close the information box.

To stop the Project Server:

1. From the Windows **Start** menu, select **Stop Project Server**.

An information box indicates that the project server was successfully stopped.



Project Server - Successfully Stopped

★ **Stop Project Server** can be pinned to the **Start** menu.

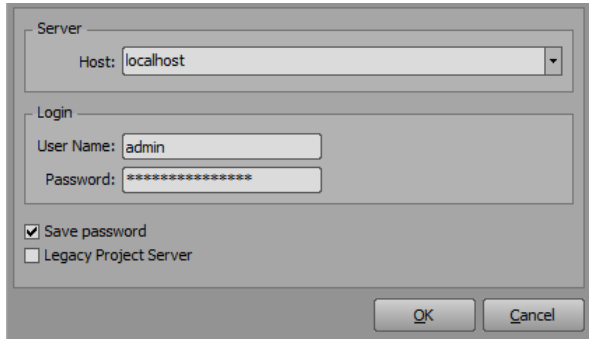
2. Select **OK** to close the information box.

Connecting to the Server

To connect to the server:

1. From the Windows **Start** menu, select **Project Server Manager**.

The **Connect to server** dialog box opens.



Project Server - Connect to Server

★ **Project Server Manager** can be pinned to the **Start** menu.

2. In the **Connect to server** dialog, enter the following information:

- In the **Server** section, from the **Host** drop-down, select the host server.
- In the **Login** section, in the **User Name** field, enter the login username.

The default username is admin.

- In the **Password** field, enter the login password for the username.
- Select the **Save password** checkbox to save the password.

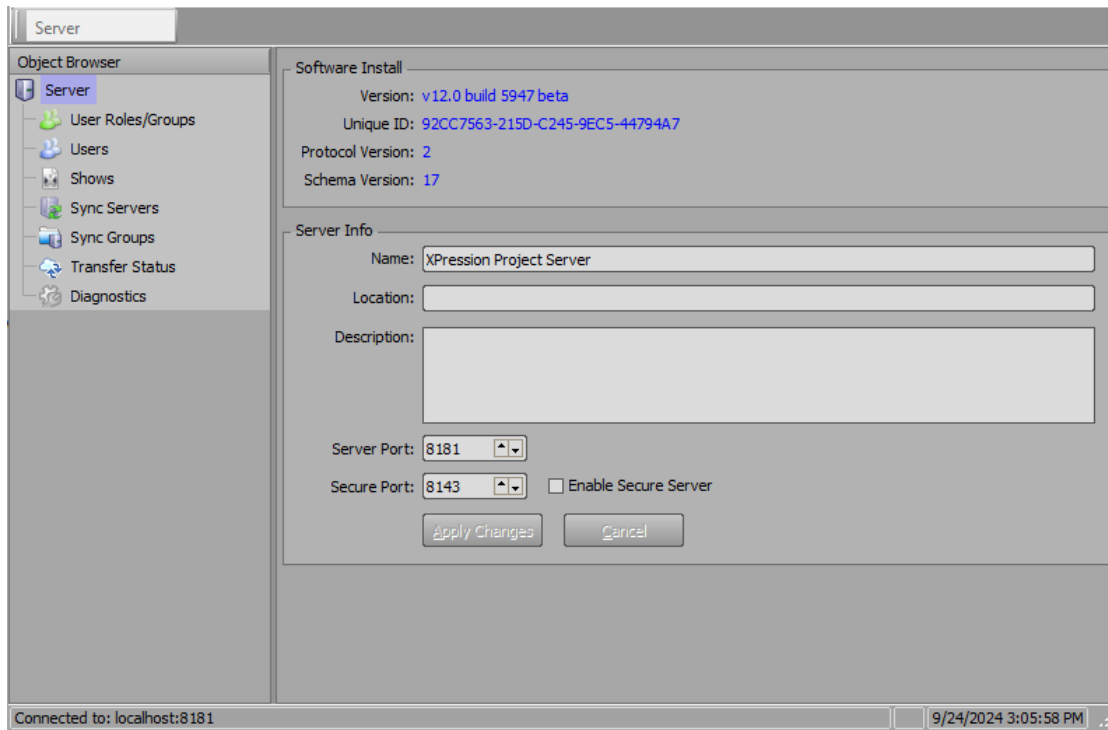
The default password is admin.

- Select **Legacy Project Server** if you have updated your XPression software, but are still using an older version of the Project Server (v11.1_5764 or earlier).

You may need to reset the password when using the **Legacy Project Server** checkbox. Follow the on-screen instructions.

3. Select **OK**.

The **XPression Project Server Manager** opens.



Project Server Manager

Continue with [setting up](#) the Project Server.

Setup

Before you start using the project server, the server needs to be configured and the users and roles need to be defined. This section describes how to configure the server and the users and roles.



Notice — Do not use the Project Server as a back-up server.

The following topics are discussed in this section:

[Configuring the Server Info](#)

[Creating a User Role or Group](#)

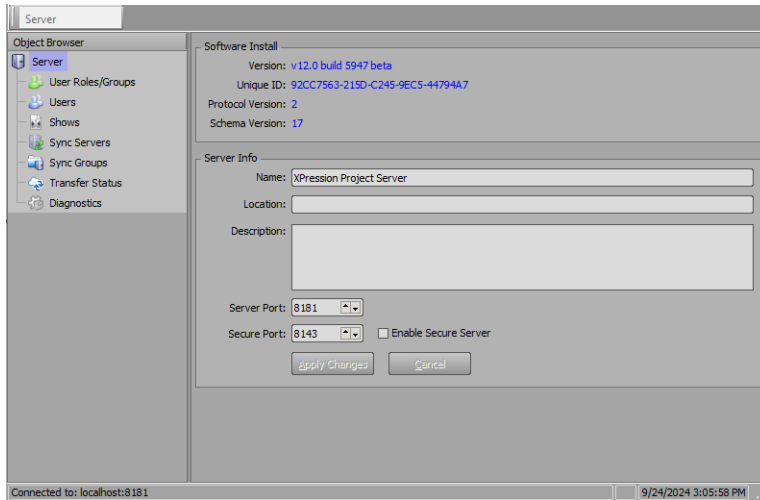
[Creating a User](#)

Configuring the Server Info

★ Do not use the XPression Project Server as a back-up server.

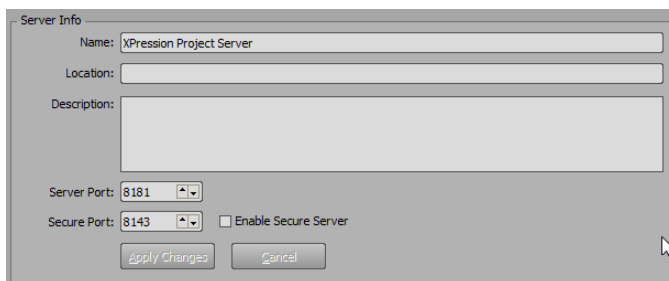
To configure the Server Info:

1. Open the **XPression Project Server Manager**.



Project Server Manager

2. In the **Object Browser**, select **Server**.



Project Server Manager - Server Info Section

3. In the **Server Info** section, enter the following information:
 - a. In the **Name** field, enter the name of the server.
 - b. In the **Location** field, enter specific location information for the server.
 - c. In the **Description** field, enter a unique descriptor for the server.
 - d. In the **Server Port** field, enter or select the port number of the project server.
 - e. To enable the project server to perform file synchronization transfers with a sync server via Transport Layer Security (TLS), select **Enable Secure Server** and set the **Secure Port** field to the same port number as the sync server.

★ The **Secure Connection** settings must also be enabled and the **Port** numbers match in the sync server's **New/Edit Sync Server** dialog. See [Synchronizing Shows with the Project Server Database](#) for more information.

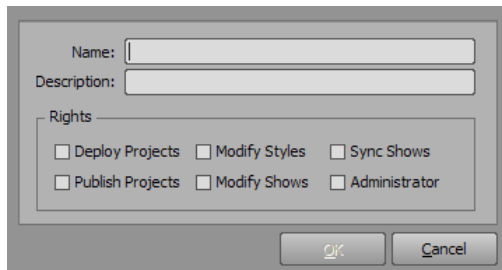
4. Select **Apply Changes** to commit any changes.

Adding a User Role or Group

To add a user role or group:

1. Launch the **XPression Project Server Manager**.
2. In the **Object Browser**, select **User Roles/Groups**.
3. Right-click in the adjacent section and from the shortcut menu, select **New**.

The **New User Role** dialog opens.



Project Server Manager - New User Role

4. In the **Name** field, enter the name of the role or group.
5. In the **Description** field, enter a description of the role (optional) or group.
6. In the **Rights** section, select the checkbox or checkboxes of the rights to be assigned to that role or group.
7. Select **OK**.

The new user role or group is added to the list of user roles and the rights assigned to that role or group are indicated in the columns.

#	Name	Deploy	Publish	Styles	Shows	Sync	Admin	Description
1	Administrators	✓	✓	✓	✓	✓	✓	Built-in administrator role
2	Publish	✗	✓	✗	✗	✗	✓	Ability to publish

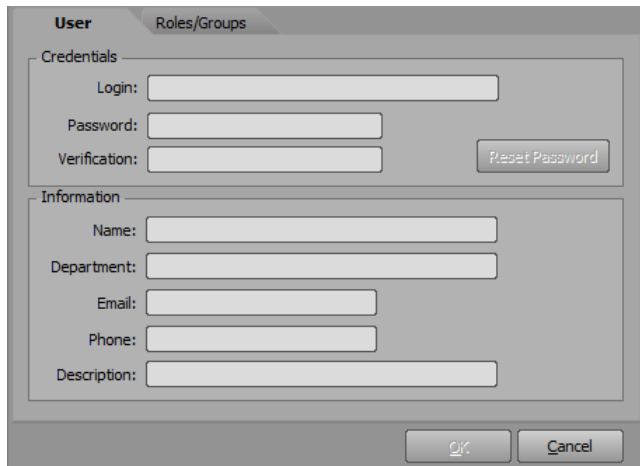
Project Server Manager - User Role Added

Adding Users

To create a new user:

1. Launch the **XPression Project Server Manager**.
2. In the **Object Browser**, select **Users**.
3. Right-click in the adjacent section and from the menu, select **New**.

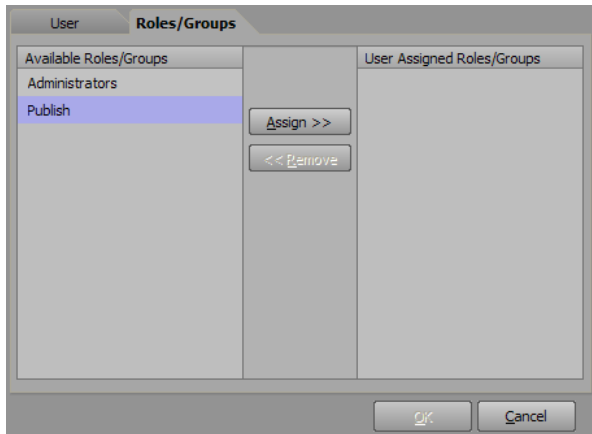
The **New User** dialog opens.



Project Server Manager - New User

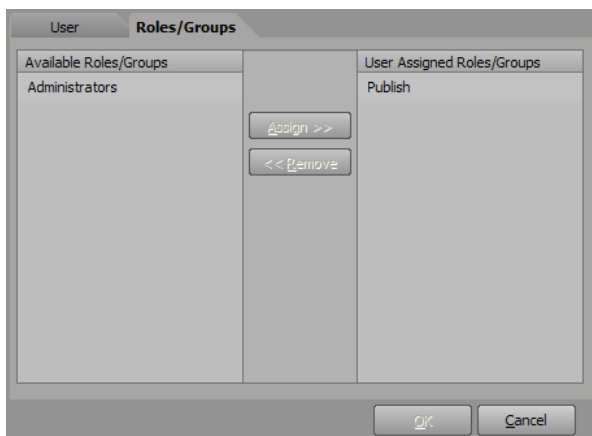
4. In the **User** tab, in the **Credentials** section, do the following:
 - In the **Login** field, enter the user name of the new user.
 - In the **Password** field, enter a password for the new user.
 - In the **Verification** field, re-enter the password for the new user.
5. In the **Information** section, do the following:
 - In the **Name** field, enter the full name of the user.
 - In the **Department** field, enter the department or group to which the user belongs.
 - In the **Email** field, enter the email address of the user.
 - In the **Phone** field, enter the phone number of the user.
 - In the **Description** field, enter a description of the user, e.g., job title.
6. Select the **Roles/Groups** tab.

- In the **Available Roles** column, select the role or roles to be assigned to the user.
Use **Ctrl-click** and **Shift-click** to select multiple roles.



Project Server Manager - Select Roles

- Select **Assign** to assign the selected role or roles to the user.
The assigned role or roles appear in the **User Assigned Roles** column.



Project Server Manager - New Role Added

- Select **OK**.

The new user is displayed in the **Users** list.

#	Login	Name	Department	Email	Phone	Description
1	admin	Administrator				Built-in administrator account
2	Publish	Mike	News	Mike@RossVideo.com	555-5555	Publisher

Project Server Manager - New User Added

Shows

In the **Object Browser**, use the **Shows** section to create and manage shows and use the **Synchronization** section to synchronize the shows with the project server database. If you are publishing a project and the file upload is interrupted, the Project Server will resume the upload when relaunched.



Notice — Do not use the Project Server as a back-up server.

The following topics are discussed in this section:

[Creating a Show](#)

[Creating Categories and Styles](#)

[Synchronizing Shows with the Project Server Database](#)

Adding a Show

This section covers the following procedures:

To add a show

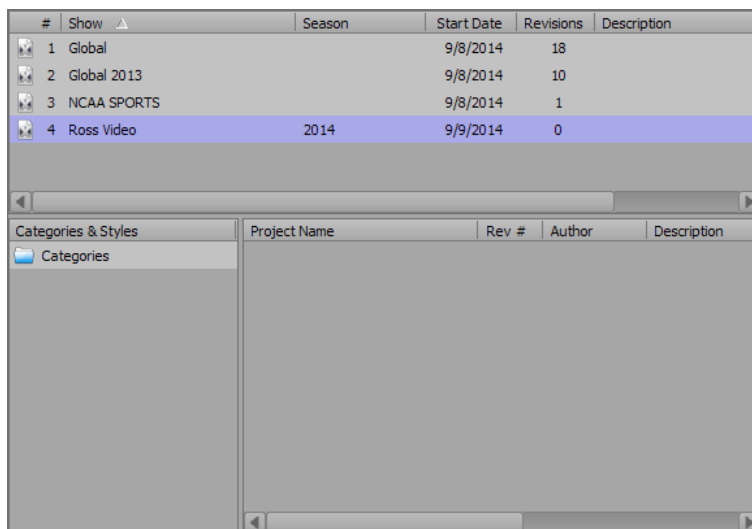
To delete a show

To edit a show

To create a show:

1. Open the **XPression Project Server Manager**.
2. In the **Object Browser**, select **Shows**.

The **Shows** section opens in the main window.



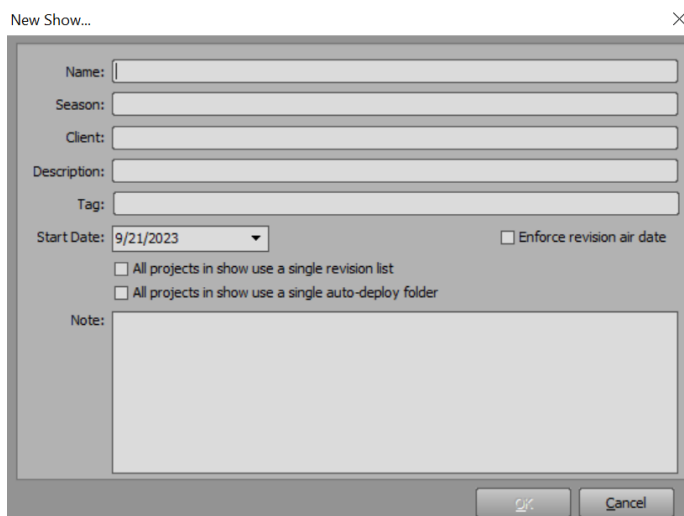
#	Show	Season	Start Date	Revisions	Description
1	Global		9/8/2014	18	
2	Global 2013		9/8/2014	10	
3	NCAA SPORTS		9/8/2014	1	
4	Ross Video	2014	9/9/2014	0	

Categories & Styles	Project Name	Rev #	Author	Description
Categories				

Project Server Manager - Shows

3. In the **Shows** section, right-click inside the **Shows** list and select **New** from the shortcut list.

The **New Show** dialog box opens.



New Show... [X]

Name: []

Season: []

Client: []

Description: []

Tag: []

Start Date: 9/21/2023 [v] Enforce revision air date

All projects in show use a single revision list

All projects in show use a single auto-deploy folder

Note: []

[OK] [Cancel]

New Show

4. In the **New Show** dialog, enter the following:

- **Name** — enter the name of the show.
- **Season** — enter the season number or information.
- **Client** — enter the client name or information.
- **Description** — enter a brief description for the show.
- **Tag** — enter tags, separated by commas, to automatically add the selected show to the tag configured sync group.
- **Start Date** — enter an air date for the show or select the drop-down arrow and use the calendar to select an air date.
- Select the **Enforce revision air date** checkbox to ignore any revision with a future air date when getting the latest revision of the show in the MOS and NLE plugins or through autonomous deployment.
- Select the **All projects in show use a single revision list** checkbox to use a single incrementing revision list, regardless of the project being published, so that different projects do not get overlapping revision IDs.
- Select the **All projects in show use a single auto-deploy folder** checkbox to use a single folder to auto-deploy all products in the show.
- **Notes** box, enter any other information or notes about the show.

5. Select **OK**.

The **New Show** dialog closes and the new show appears in the **Shows** list.

#	Show	Season	Start Date	Revisions	Description
1	Global		9/8/2014	18	
2	Global 2013		9/8/2014	10	
3	NCAA SPORTS		9/8/2014	1	
4	Ross Video	2014	9/9/2014	0	

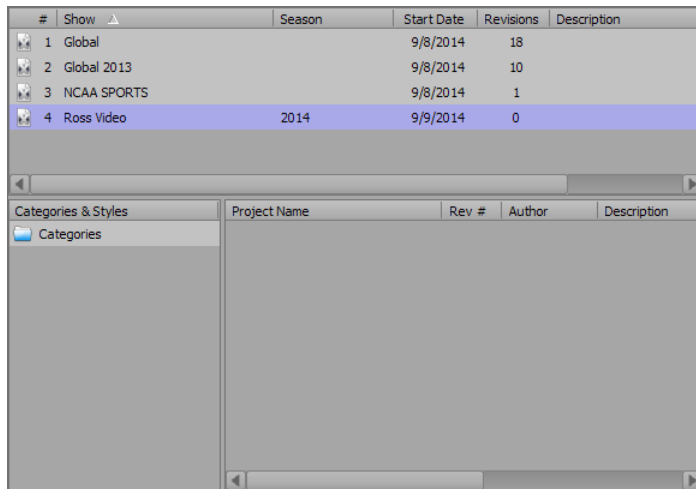
Categories & Styles	Project Name	Rev #	Author	Description
Categories				

New Show Added

To delete a show:

1. In the **Object Browser**, select **Shows**.

The **Shows** section opens in the main window.



Project Server Manager - Shows

2. Select the show you want to delete.

Additionally, you can select multiple shows to delete at the same time by selecting a show and doing one of the following:

- Press and hold the **CTRL** key to select additional shows.
- Press and hold the left-mouse button and drag to select multiple shows.

3. Right-click on the selected show(s) and select **Delete** from the shortcut menu.

A **Warning** dialog opens.

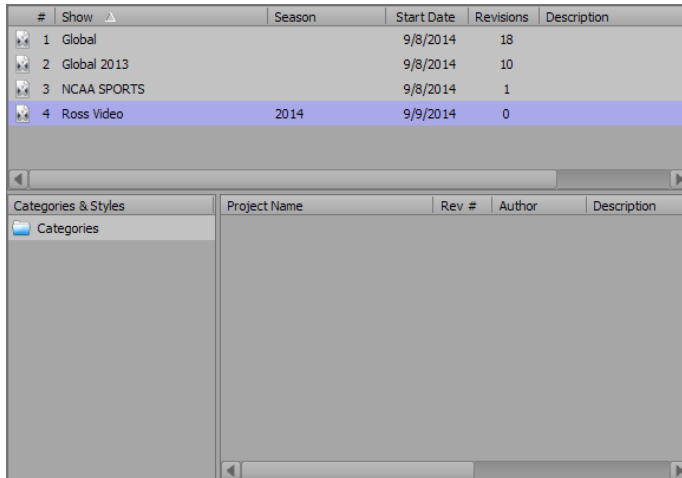
4. Select **Yes**.

The show is deleted from the **Shows** list.

To edit a show:

1. In the **Object Browser**, select **Shows** from the **Server** menu tree.

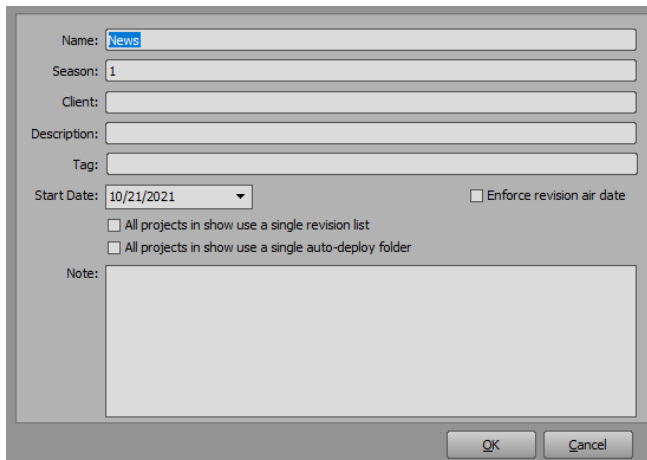
The **Shows** section opens in the main window.



Project Server Manager - Shows

2. Select the show you want to edit.
3. Right-click on the selected show and select **Edit** from the shortcut menu.

The **Edit Show** dialog opens.



Name:

Season:

Client:

Description:

Tag:

Start Date: Enforce revision air date

All projects in show use a single revision list

All projects in show use a single auto-deploy folder

Note:

Project Server Manager - Edit Show Dialog

4. Edit any of the details as necessary.
5. Select **OK** to save your changes and close the dialog.

Adding Categories and Styles

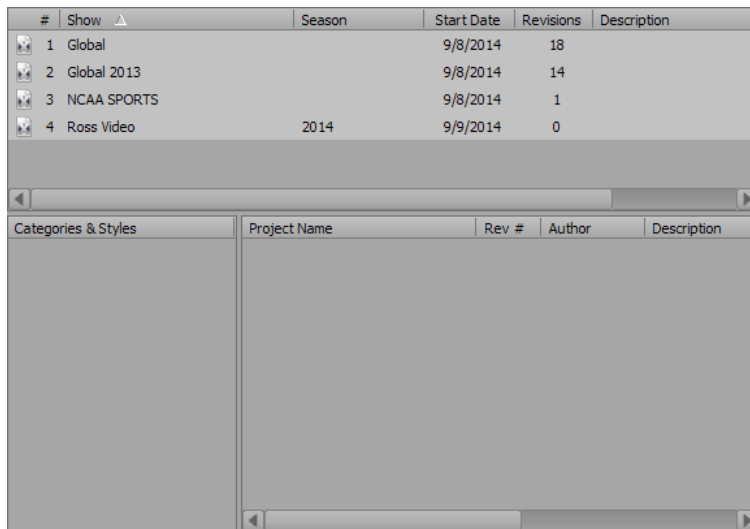
Categories are used to create individual folders for different parts of a show like weather, sports, etc.

Styles are used to create particular graphical appearances for different times and parts of a show, e.g., morning news style and evening news style.

To create a category and/or style:

1. Open the **XPression Project Server Manager**.
2. In the **Object Browser**, select **Shows** from the **Server** menu tree.

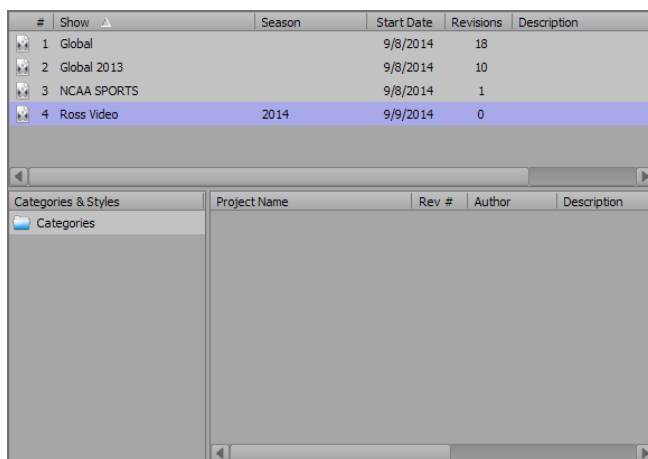
The **Shows** section opens in the main window.



Project Server Manager - Shows

3. Select a show from the **Shows** list.

The selected show is highlighted in the **Shows** list and the **Categories** folder displays in the **Categories & Styles** section.



Project Server Manager - Select Show

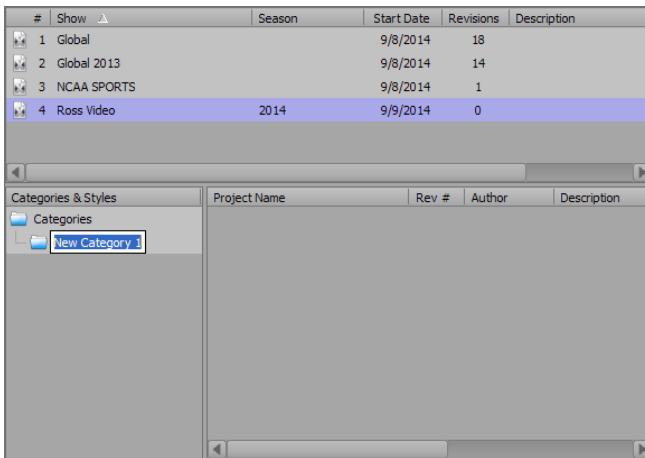
4. In the **Categories & Styles** section, right-click on the **Categories** folder and select one of the following from the shortcut menu:

- **New Category**
- **New Style**

The new category or style appears as a node in the **Categories** folder structure.

★ The **Rev #** is updated when a revision has changed for projects that have no category or style assigned.

5. In the new category or style field, enter a name for the category or style.



Project Server Manager - New Category

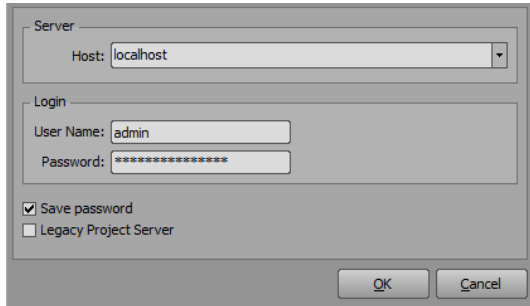
6. Repeat Steps 4 and 5 to add other categories and styles.

Synchronizing Shows with the Project Server Database

To set up the server:

1. Open the **XPression Project Server Manager**.

The **Connect to server** dialog box opens.



Project Server - Connect to Server Dialog Box

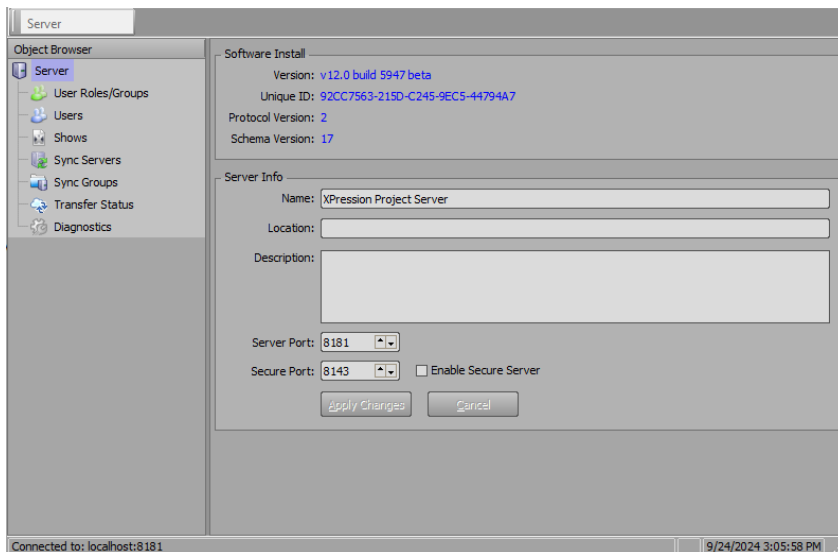
2. Set up the server from which the project will be synchronized:

In the **Connect to server** dialog, enter the following information:

- **Server** — from the drop-down, select the host server.
- **Login** — enter the login username.
- **Password** — enter the login password for the username.
- Select the **Save password** checkbox to save the password.
- **Legacy Project Server** — select only if you have updated your XPression software, but are still using an older version of the Project Server (v11.1_5764 or earlier).

3. Select **OK**.

The **XPression Project Server Manager** opens.



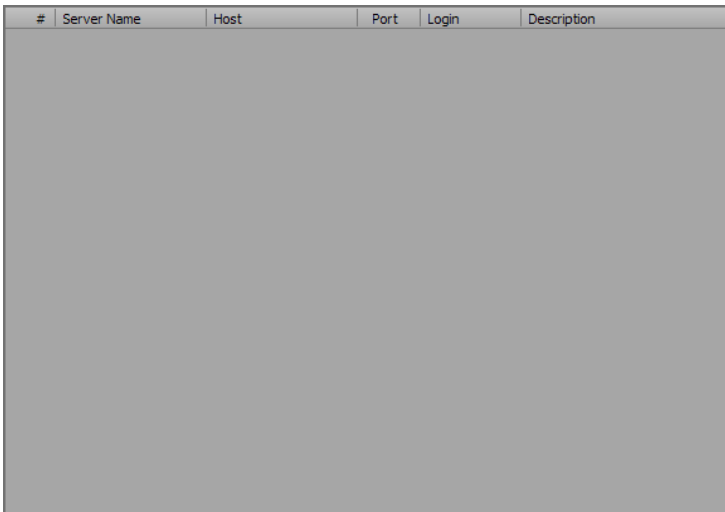
Project Server Manager

4. If there are no existing shows, select **Shows** from the **Object Browser** and add a new show or shows.

5. Set up the server to which shows will be synchronized:

- a. In the **Object Browser**, select **Sync Servers**.

The **Sync Servers** section opens in the main window.



Project Server Manager - Sync Servers

- b. Right-click inside the **Sync Servers** section and select **New** from the shortcut menu.

The **New Sync Server** dialog opens.

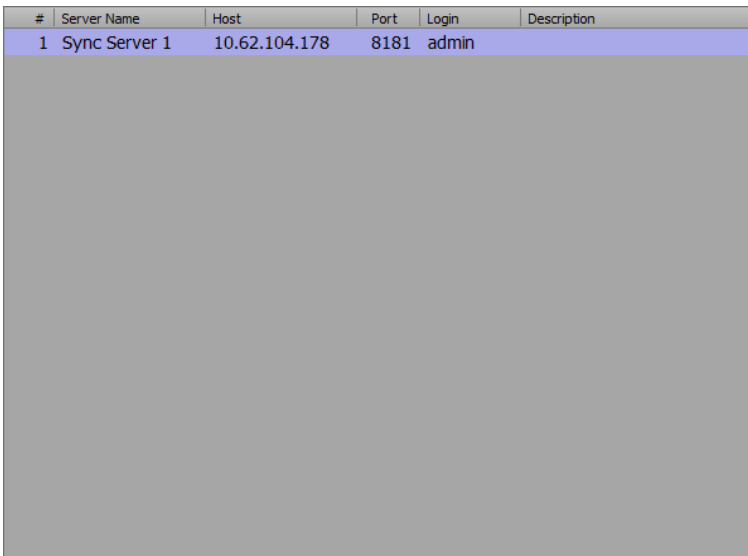
Project Server Manager - New Sync Server Dialog Box

- c. In the **New Sync Server** dialog, enter the following information:

- **Name** — enter the name of the sync server.
- **Host** — enter the IP address of the sync server.
- **Port** — enter the port number of the sync server.
- **Secure Connection** — Select to enable the ability to perform file synchronization transfers with the project server via Transport Layer Security (TLS).
 - ★ The **Enable Secure Server** and **Secure Port** fields in the **Server Info** section of the **Object Browser - Server** window must also be enabled and match. See [Configuring the Server Info](#) for more information.
- **Login** — enter the login username.
- **Password** — enter the login password.
- **Description** — enter a brief descriptor for the sync server.
- **Enabled** — select this checkbox to activate the individual sync server. This is enabled by default.

d. Select **OK**.

The **New Sync Server** dialog closes and the new sync server is added to the **Sync Servers** section.



#	Server Name	Host	Port	Login	Description
1	Sync Server 1	10.62.104.178	8181	admin	

Project Server Manager - New Sync Server Added

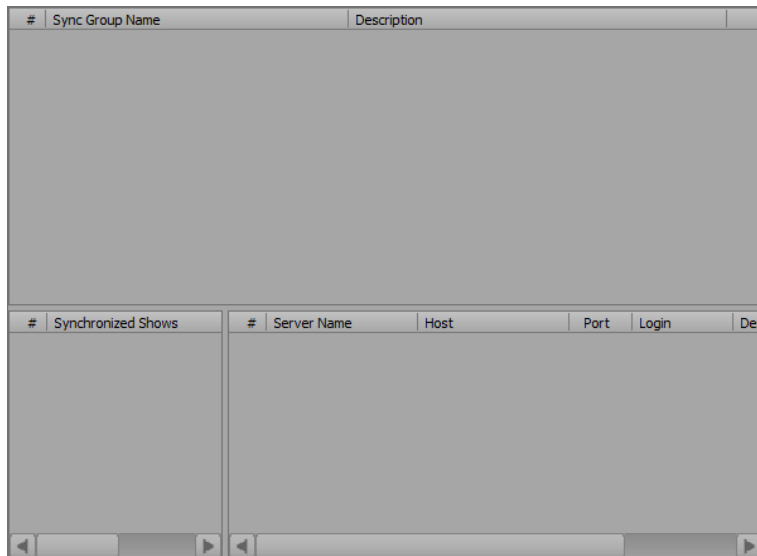
6. Repeat step 5 to synchronize other Project Servers if necessary.

★ Multiple sync servers can be enabled or disabled by selecting the necessary sync servers, right-clicking and selecting **Enable** or **Disable** from the shortcut menu.

To create a sync group:

1. In the **Object Browser**, select **Sync Groups**.

The **Sync Groups** section opens in the main window.



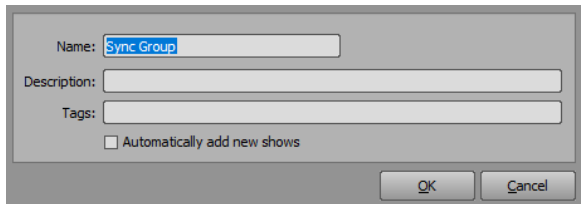
#	Sync Group Name	Description
---	-----------------	-------------

#	Synchronized Shows	#	Server Name	Host	Port	Login	Des
---	--------------------	---	-------------	------	------	-------	-----

Project Server Manager - Sync Groups

2. Right-click inside the **Sync Group** list and select **New** from the shortcut list.

The **New Sync Group** dialog opens.



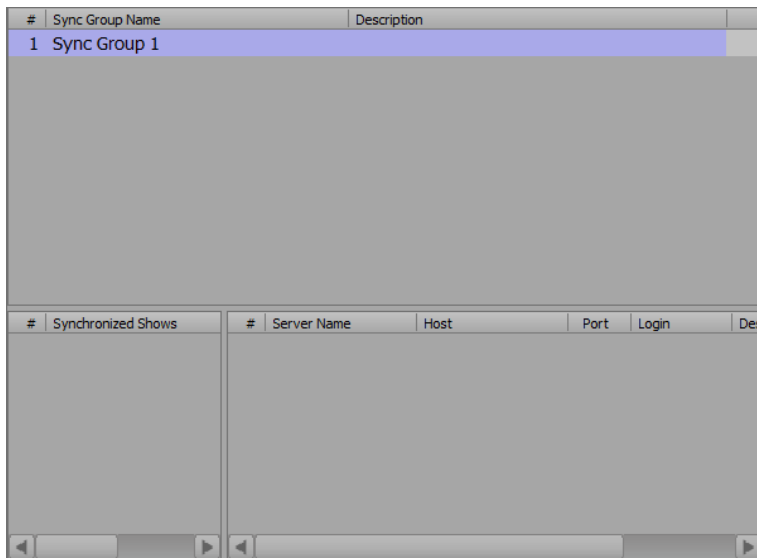
Project Server Manager - New Sync Group Dialog

3. Enter the following information for the new sync group:

- **Name** — enter a name for the sync group.
- **Description** — enter a brief descriptor for the sync group.
- **Tags** — enter tags, separated by commas, to automatically add tagged shows to the sync group.
- **Automatically add new shows** — select to automatically add new shows to the sync group.

4. Select **OK**.

The **New Sync Group** dialog box and the new sync group is added to the **Sync Group** list.



#	Sync Group Name	Description
1	Sync Group 1	

#	Synchronized Shows
---	--------------------

#	Server Name	Host	Port	Login	Des
---	-------------	------	------	-------	-----

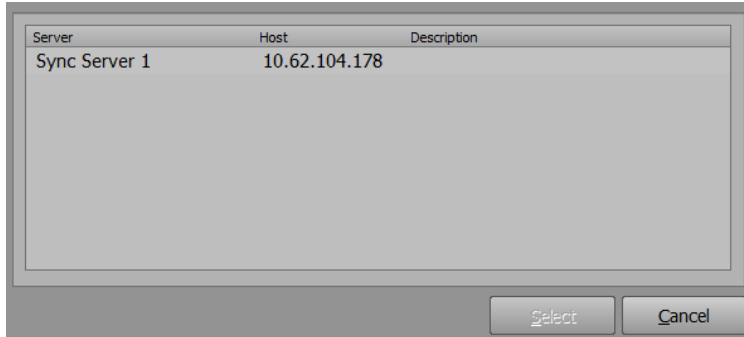
Project Server Manager - Sync Group Added

5. Repeat steps 1 to 4 to add more sync groups if necessary.

To add a sync server as the destination for a sync group:

1. Select a sync group from the **Sync Group** list.
2. In the **Server** list of the **Sync Groups** section, right-click and select **Add** from the shortcut menu.

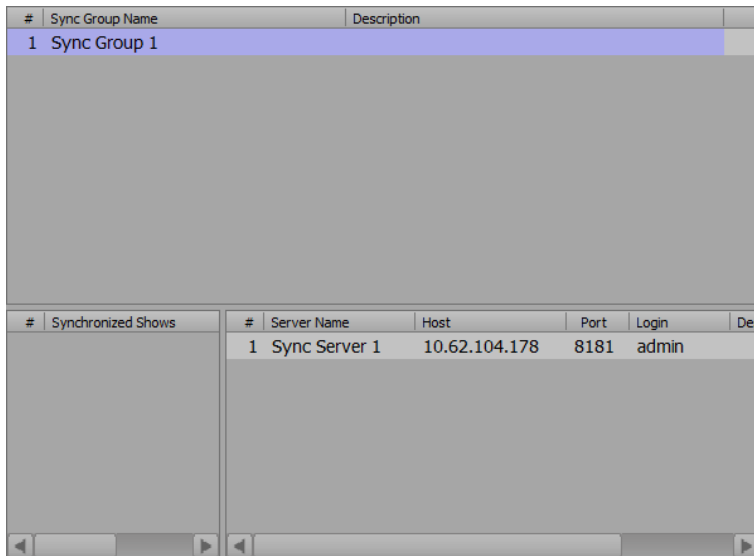
The **Select Sync Server** dialog opens.



Project Server Manager - Select Sync Server Dialog

3. In the **Server** list, select a sync server to which the selected sync group will be synchronized.
4. Select the **Select** button.

The **Select Sync Server** dialog closes and the selected sync server is added to the **Server** list.



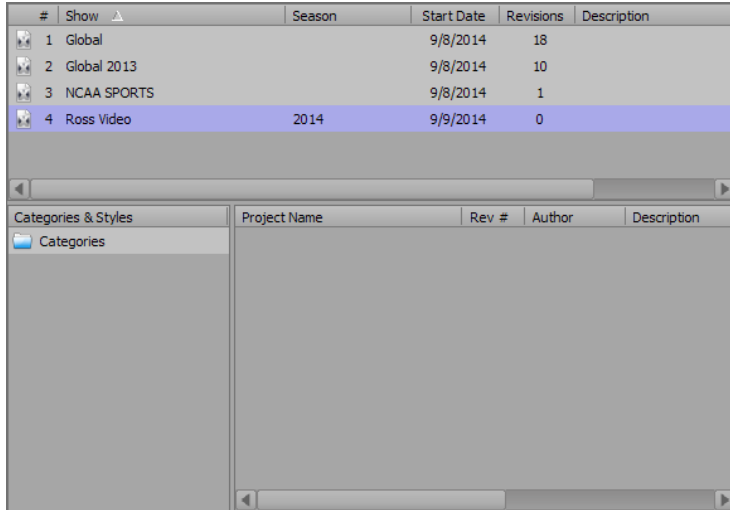
Project Server Manager - Sync Server Added

5. Repeat steps 1 to 4 to add more sync servers to the selected sync group if necessary.

To add a show (or shows) to be synchronized to the sync group:

1. In the **Object Browser**, select **Shows**.

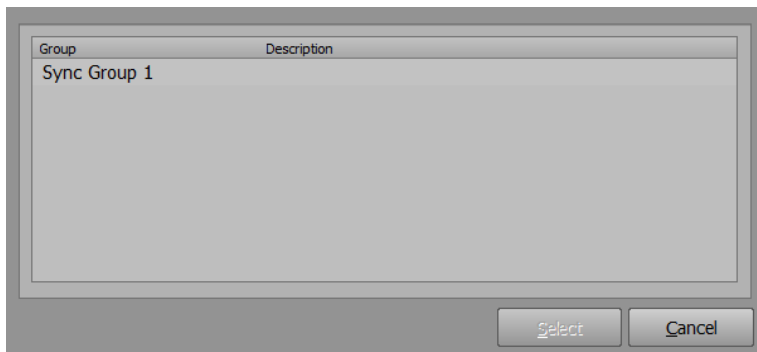
The **Shows** section opens in the main window.



Project Server Manager - Shows Section

2. Select the show(s) you want to add.
3. Select multiple shows to add at the same time by selecting a show and doing one of the following:
 - Press and hold the **CTRL** key to select additional shows.
 - Press and hold the left-mouse button and drag to select multiple shows.
4. Right-click and select **Add to Sync Group** from the shortcut menu.

The **Select Sync Group** dialog opens.



Project Server Manager - Select Sync Group

5. Select a sync group from the **Group** list.
6. Select the **Select** button.

The **Select Sync Group** dialog closes.

If you select **Sync Groups** in the **Object Browser** and then, from the **Sync Groups** list, select the **Sync Group** to which the show was added, you will see that the show has been added to the **Synchronized Shows** list.

#	Sync Group Name	Description
1	Sync Group 1	

#	Synchronized Shows	#	Server Name	Host	Port	Login	Des
1	Ross Video	1	Sync Server 1	10.62.104.178	8181	admin	

Project Server Manager - Synchronized Shows List

7. Launch the Project Server being used as the sync server and connect to the server.

To configure a sync user role:

1. In the **Object Browser**, select **User Roles**.

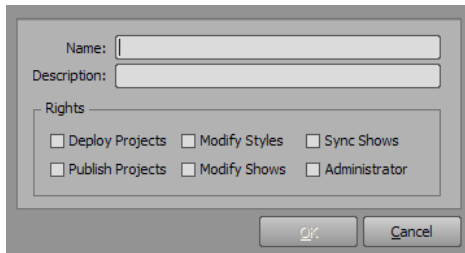
The **User Roles** section opens in the main window.

#	Name	Deploy	Publish	Styles	Shows	Sync	Admin	Description
1	Administrators	✓	✓	✓	✓	✓	✓	Built-in administrator role

Project Server Manager - User Roles

2. Right-click inside the **User Roles** list and select **New** from the shortcut menu.

The **New User Role** dialog opens.

The image shows a 'New User Role' dialog box. It contains two text input fields: 'Name' and 'Description'. Below these is a 'Rights' section with six checkboxes: 'Deploy Projects', 'Modify Styles', 'Sync Shows', 'Publish Projects', 'Modify Shows', and 'Administrator'. At the bottom right, there are 'OK' and 'Cancel' buttons.

Project Server Manager - New User Role

3. In the **New User Role** dialog, enter or select the following information:

- In the **Name** field, enter a name for the user role.

Since this is for a sync user role, it is recommended the name be something in line with the role, for example, 'Sync User'.

- In the **Description** field, enter a descriptor for the user role.

4. In the **Rights** section, select the **Sync Shows** checkbox.

5. Select **OK**.

The new sync user role is added to the **User Roles** list.

6. Add users for the sync user role as needed.

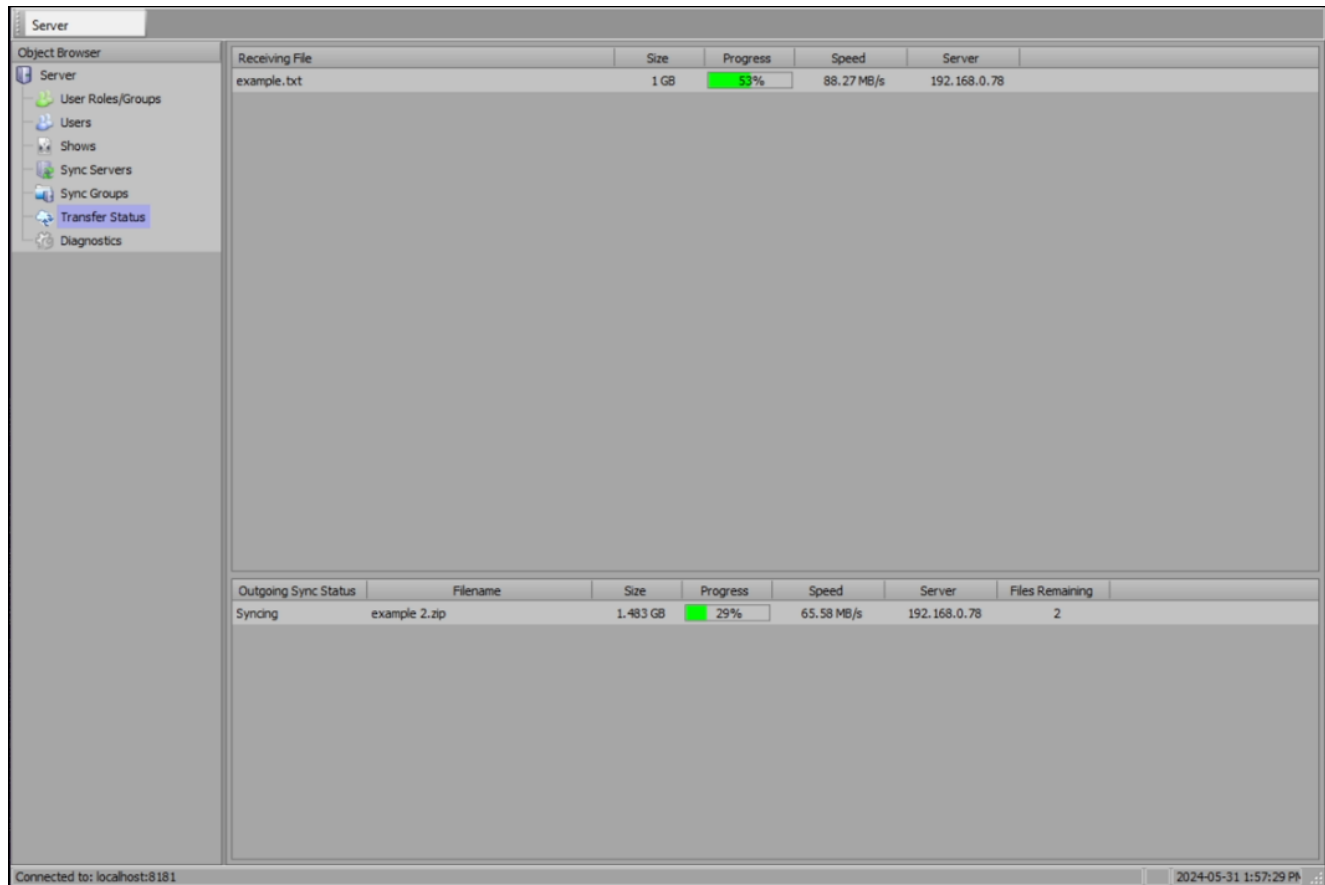
See [Adding Users](#) for instructions.

Monitoring File Transfers

The XPression Project Server can handle many file transfers in busy stations. For station groups with a central XPression Project Server that share XPression Projects to multiple locations for breaking news and other critical productions, the Project Server Manager's **Transfer Status** window allows you to monitor the progress of file transfers in either direction.

To monitor the status of file transfers:

- In the **Object Browser**, select **Transfer Status**.



When a project is being published to the server that's being managed or when projects are being synchronized to and from other project servers, the top section of the **Transfer Status** window lists the files being received from the project to the current server.

Each row provides the following information about the files being received:

- **Receiving File** — the filename of the file
- **Size** — the total size of the file
- **Progress** — a progress bar of the transfer
- **Speed** — the current speed of the transfer
- **Server** — the IP address of the sender

The bottom section of the **Transfer Status** window lists each server that is currently receiving files and provides the following information about the servers:

- **Outgoing Sync Status** — the status of the sync, which can be **Idle**, **Connecting**, or **Syncing**
- **Filename** — the filename of the outgoing file
- **Size** — the total size of the file
- **Progress** — a progress bar of the transfer
- **Speed** — the current speed of the transfer
- **Server** — the IP Address of the recipient server
- **File Remaining** — the number of files remaining to be sent

Running File Diagnostics

If you are logged in to the **Project Server Manager** as an administrator, you can access a **Diagnostics** tool to verify and replace files in the storage folder.

The tool contains 2 buttons:

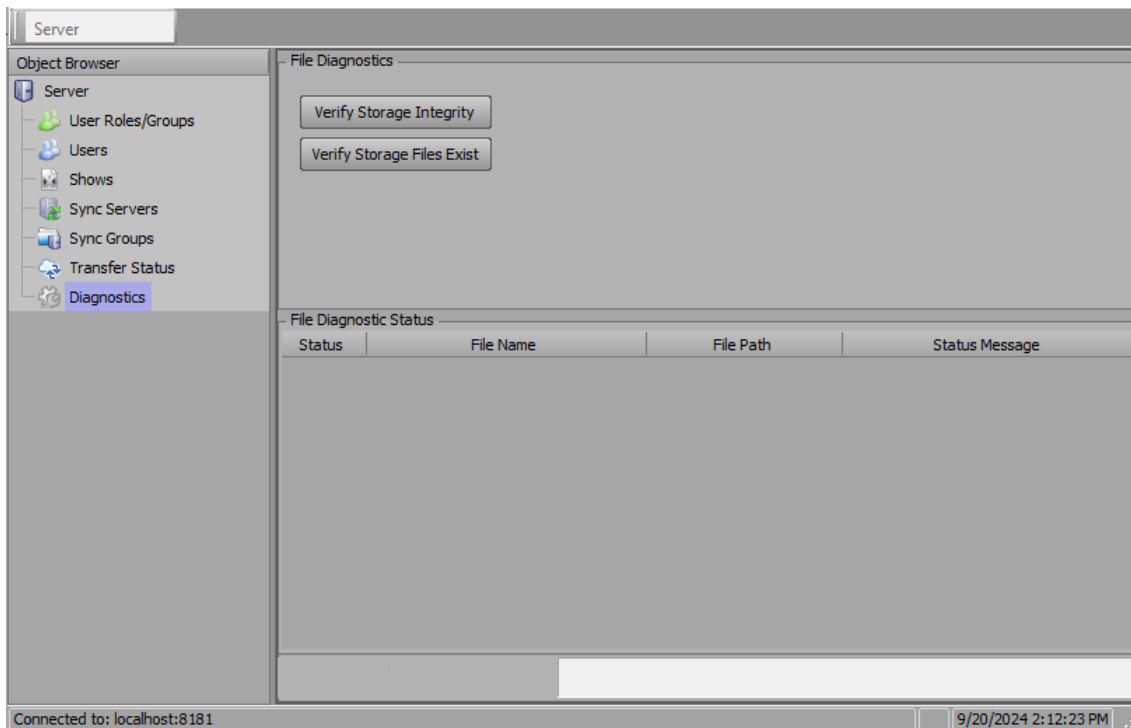
Verify Storage Integrity — checks if the files exist and ensures that they match what is in the database. This option can take a long time and requires a lot of CPU power.

Verify Storage Files Exist — checks if the files exist. This option is faster and requires little CPU power.

To verify storage integrity:

1. Launch the **XPression Project Server Manager**.
2. In the **Object Browser**, select **Diagnostics**.

The **Diagnostics** window opens.

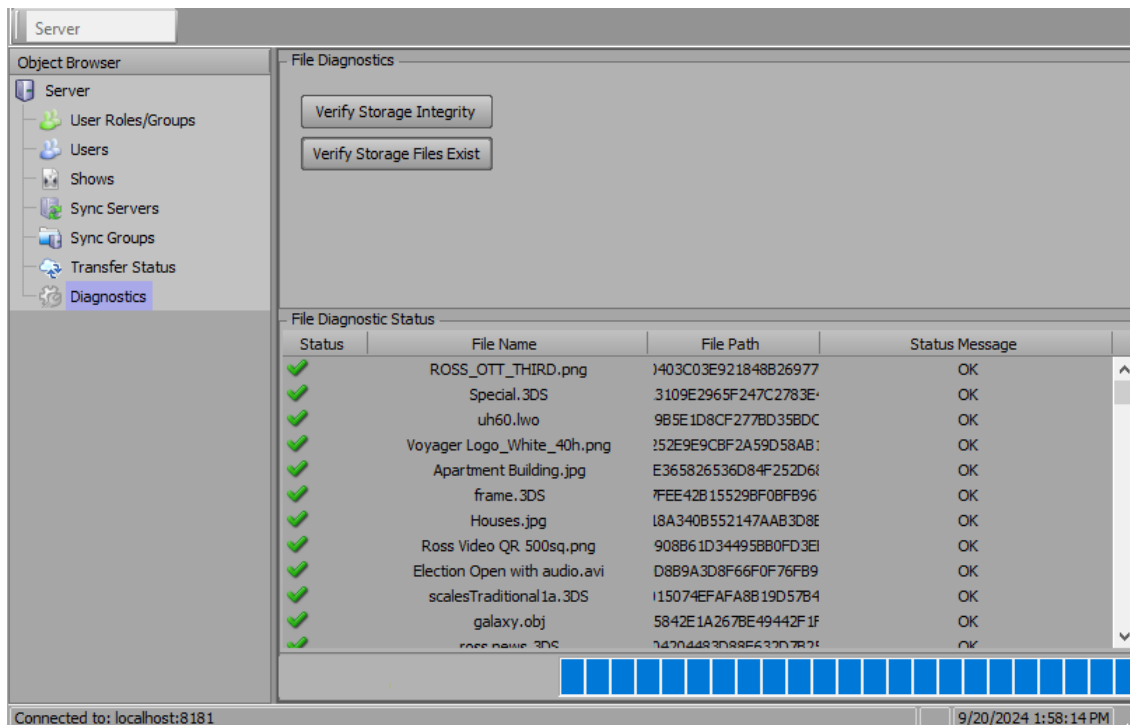


3. Select **Verify Storage Integrity** to check that all files exist in the database and that the files match.

OR

Select **Verify Storage Files Exist** to quickly determine that all the files in the project exist in the database.

The diagnostics are run and the status of the files is indicated in the results in the **File Diagnostic Status** section.



If the file is found, there will be a green check mark in the **Status** column and no further action is needed.

If the file is not found, there will be a red X in the **Status** column and the **Status Message** will say **not found**.

4. If the file is not found, right-click on the file and from the shortcut menu, select **Replace File**.

5. In the **File Browser** that opens, locate the file on your local disk and select the missing file.

The missing file will be restored to the database and a green check mark will be displayed beside the file.

To view the file name or file path of a file:

- Right-click on a file and select **Copy File Name** or **Copy File Path** to copy and paste the name or path into a text editor.

Contact Us

Contact our friendly and professional support representatives for the following:

- Name and address of your local dealer
- Product information and pricing
- Technical support
- Upcoming trade show information

Technical Support	Telephone:	+1-844-652-0645 (North America) +800 3540 3545 (International)
	After Hours Emergency:	+1 613 • 349 • 0006
	Email:	techsupport@rossvideo.com

General Information	Telephone:	+1 613 • 652 • 4886
	Fax:	+1 613 • 652 • 4425
	Email:	solutions@rossvideo.com
	Website:	http://www.rossvideo.com

Visit Us

Visit our website for:

- Company information and news
- Related products and full product lines
- Online catalog
- Testimonials